



VOLUME 58 ISSUE 01

January 2008

In Other Words...

Another year has flown by and here we are at January again ready to start over again with new resolutions to break old habits. In the past, I have made it all the way to March (in the best of times) without succumbing to temptation. However, according to Isaac Newton's first law, "An object that is not subject to any outside forces moves at a constant velocity, covering equal distances in equal times along a straight line path." That's a fancy way of saying that inertia gets you in the end and if you're stuck on the couch it will take something extraordinary to move you (usually the call of nature, meal time or a spouse making up a Honey-Do list when you have intimate plans with the television or, hopefully, a ham project that has suddenly caught your interest and just won't let go). "As above, so below" and so it has always been. It takes a minimum of six weeks to form a new habit, but old habits years in the making take a lot longer to dislodge, demanding a concerted and concentrated effort to keep to the straight and narrow path you've marked out for yourself. If your New Year's Resolutions didn't last beyond the end of January or the middle of February, you have a valid excuse, and an even more valid excuse if you lasted longer. Just smile and point to Newton.

However, it does help to have a plan or at least a schedule (if money is involved it helps a lot more). For me, the newsletter is one more form of editing and writing I have done for decades, so it isn't difficult to get motivated. Besides, I know there will be a few angry and disappointed readers out there who have become used to seeing the Ø-

Beat every month – no matter who puts it together – and begin complaining to the board and anyone who will listen that someone fell asleep at the switch or decided the newsletter wasn't important enough to get out on time. Well, you don't have to worry, at least not for the foreseeable future, because this is one habit I look forward to doing every month.

That being said, I'm finding it increasingly more difficult to put together a newsletter without content and I am sure you're getting tired of me pontificating and putting together things I think are interesting. Without input from the club members and local hams, the only thing I'll have left to publish is news from other clubs who are more active and more involved in what their club and, by extension the members, are doing. In lieu of news from the PPRAA's members, it's nice to know there are thousands of active amateur radio clubs across the nation who are more involved and willing to provide articles and news of interest, such as the article on the solar activity by George McCray AGØS of one of the Denver radio clubs. I found the information interesting, and hope you will agree.

Last month's solar activity isn't the only thing in the news either. The PPRAA held their annual Christmas party at the Golden Corral on Woodmen and a fine time was had by all – all except me because I was stuck working . . . again. I wanted to congratulate Les Borst KCØNC and Jim Harris ABØUK for winning the first lifetime achievement awards. We had a long list of candidates but Jim and Les stood out for their unselfishness and generosity to the PPRAA, amateur radio and the community. Both these men have given tirelessly over the years and are great ambassadors for amateur radio and the PPRAA. In the coming years, we will honor more men and

women like Les and Jim with long overdue thanks for keeping the lights on.

This month, as you will read in President Doug Nielsen's column, club meetings will be held in the East Library at 5550 North Union Blvd, same time on the second Wednesday of the month. You can download a map at PPLD.org.

We should also thank Susan Allison KCØSYA for the wonderful job she did arranging for all the prizes from the following:

- Texas Roadhouse
- Famous Dave's
- Golden Corral
- Bird Dog BBQ
- Front Range BBQ
- Mimi's Restaurant
- Jason's Deli
- Fargo's Pizza
- Elephant Bar
- Outback Steakhouse
- PF Chang's
- Broadway Deli
- Cinemark
- Rick, KØSU

Susan has done a great job of twisting arms and arranging for great prizes and I hope she looks forward to doing it again for this year's Christmas party. She certainly has a talent for hitting the deadline with lots of great prizes. And thanks go to Ken Sheehan KDØAGV for providing the pictures that follow. More pictures will be posted I the PDF version of the newsletter available online.

Last year was a year to remember and one that certainly goes down in the books as exciting, if you don't mind biting your nails and sweating a lot. We almost didn't have a chairman for the Megafest in June, but Rob Roller N7LV, who has given so much in the past as president, vice-president, editor of the Ø-Beat and chairman/member of so many other organizations and events, pulled our fat out of the fire and put together a great event in spite of a heavy work schedule. Mike Anderson WV7T, who regularly, sends in dits and bits of information, certificates and humor, managed Field Day at a totally new location, Firehouse 1 in Monument, Colorado, and has decided he liked doing the job so much he took on this year's Field Day as well, with Jim ABØUK handling digital. But don't fret, there are plenty more opportunities to

join in and take your turn at the wheel.

In fact, I was so inspired I took on the job as PPRAA's Volunteer Examiner contact. There isn't all that much to do, but it's worth getting involved in more ways than just showing up for VE sessions the second Saturday of six months out of twelve. Of course, Dennis NØABC didn't mention anything about lady truck drivers who have CB licenses calling and asking for information and talking for two hours before I took the job. Good thing I have all those years of experience cutting off long-winded politicians I have had to interview without incurring their wrath and not wanting to talk to me ever again. I just knew that would come in handy some day.

The late Steve Williams KØSRW (no, he didn't die; he's always late with his articles) finishes up his series of articles on creating web sites with Joomla. If you haven't caught it yet, you can still catch the first two parts on the PPRAA web site if you download the November and December 2007 issues of Ø-Beat. Isn't technology wonderful? There wouldn't have been room in the print version because there are a lot of features, so it's a good thing we have a PDF version available.

Les KCØNC is still getting up to speed with his WayBack Machine column dits and bits about the history of the Pikes Peak Radio Amateur Association, but he serves up a couple of small items of interest this month.

In the meantime, it's time to renew (or sign up for) your membership. You may either tear out the form in the printed newsletter or download a copy from the PPRAA web site. I have to put it on my desk calendar at the beginning of the year, along with birthdays, anniversaries and writing deadlines or I'd forget.

If you'd like to make the newsletter more interesting or see your stories and name in print, send me your articles, news, awards and tidbits at zerobeat@ppraa.org and I'll find room – that is, unless you really would rather see what people in other, more active amateur radio club are doing. It's all up to you.

73 as always...

Jackie Cornwell ACØCA

Tubs of Tubes

Dan Romanchik KB6NU

The other day I got a call from a guy whose website I'm working on. He says he's calling from the Ann Arbor Reuse Center and that they have two tubs full of vacuum tubes there. He asked, "Do you know anyone who might want them"?

"How much are they asking for them"? I ask.

"Ten cents a piece."

"How many are there"?

"I'd guess about two hundred."

"Well, tell them I'll give him 20 bucks for all of them."

He tells them that I'll give them \$20 for the lot. I hear some mumbling. He comes back on the line and says they're negotiating. After a minute or two, he says, "OK. You got them. How do I get to your house"?

I gave him directions and in about 15 minutes he pulls up to my house, gets out, opens the hatch and pulls out two plastic tubs and a cardboard box with vacuum tubes in them. I can tell he was way off in his estimate. There must be at least 400 tubes in all.



That's a lot of tubes

There's nothing really exotic—most of them seem to have been taken out of old TV sets—but I did

find a couple of 6J6s. These are the tubes used for the single-tube transmitter I have been thinking about building (see wv7g.home.mindpring.com/jones_6j6.html for more info). In one of the tubs, there was even a socket for the 6J6.

There are also a bunch of 6KS7s. According to the RCA tube manual, these tubes were often used as RF or IF amplifiers. That sounds like the beginning of a receiver project, doesn't it? In fact, the receiver section of the ParaSet contained 6SK7s, a "spy radio" used during WWII. See mines.uidaho.edu/~glowbugs/paraset.htm

And, of course, there are even rectifiers to make a power supply. Now, all I have to find are some cheap transformers. Anyone know a good source?

When he's not wondering what he's going to do with more than 400 vacuum tubes, KB6NU works CW and PSK on the HF bands and blogs about ham radio at www.kb6nu.com. You can reach him by e-mail at cwgeek@kb6nu.com.



And there's more where those came from...

PPRAA PRESIDENT'S CORNER



Happy New Year, PPRAA,

It was good to see everyone who turned out for the PPRAA Christmas Party. For those of you who missed it, you missed a great social

event and a chance at lots of great door prizes. Thanks again to Susan, KCØSYA, for organizing it for us. Also, congratulations to Les Borst, KCØNC, and Jim Harris, ABØUK, who were awarded this year's Lifetime Achievement awards. They were selected from a slate of deserving nominees so we will have a good pool for consideration of this award in the future.

The start of the New Year provides an opportunity to reflect back on the past year for Ham radio. In 2007, we saw a lot of activity. The FCC dropped the Morse code requirement for general and extra class licenses at the beginning of the year with a corresponding increase in license upgrades that resulted in a lot more folks with HF privileges. At the end of the year, Ham radio shone in its support of local emergencies. Both Oregon and Hawaii had weather related crises that relied upon Ham operators to provide emergency communication. Oregon Governor Ted Kulongoski stated, "I'm going to tell you who the heroes were from the very beginning of this . . . the ham radio operators. These people just came in and actually provided a tremendous communication link to us." So 2007 ended with a testimony to the relevancy and importance of Amateur Radio in this age of cell phones and the Internet.

In late December, there was evidence that Solar Cycle 23 may finally have ended and the next solar cycle has begun. On December 11th, a small knot of magnetism popped up on the sun's eastern edge. This doesn't seem like much, but new solar cycles always begin with a high latitude, reversed

polarity sunspot, according to the Marshall Space Flight Center. "Reversed polarity" means that a sunspot has the opposite magnetic polarity compared to sunspots from the previous solar cycle. "High latitude" refers to the location of the sunspot on the surface of the sun. Old cycle sunspots occur near the sun's equator. New cycle spots occur higher, around 25 or 30 degrees latitude. The region that appeared on December 11th fits both criteria, except that it isn't a sunspot. It's just a bright region of magnetic fields. If these fields coalesce into a sunspot, then Solar Cycle 24 will have officially begun.

Planning continues on the MegaFest, Field Day and the COQP. While the way ahead for these events is coming together, we still need volunteers to step forward and ensure that the required actions are completed on time. Contact a club officer or board member to find out what you can do to make these events the best ever.

Don't forget that the January meeting is at the East Library on North Union Blvd.

*Wishing you all the best in this New Year
73,*

**Douglas Nielsen, N7LEM
PPRAA President**

NONPROFIT STATUS

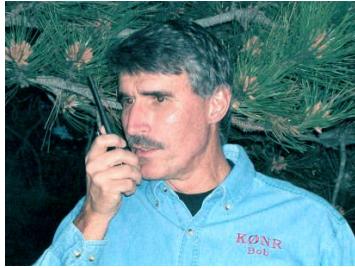
The PPRAA is a federal 501(c)(3) nonprofit organization, and welcomes all contributions. Your contributions or donations may be tax-deductible.

Jess Miley KØTAA

719 W. 7th, Florence, CO 81226
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Please call before you drive.

Ham Radio Fun Colorado 2008



Now that the New Year festivities are behind me, it is time to plan my ham radio fun for 2008. 2008. I generally skip the New Year's resolutions (as they last about a month)

and anticipate the key events for the coming year. Of course, ham radio events are the very first ones to list (I mean, after my wife's birthday and our anniversary . . . just for the record and in case she's reading this.) I thought I would pass along some events for you to consider. To me Colorado means mountains, which means getting outdoors, and that means Height Above Average Terrain and VHF, so my list has that bias. Take a look and maybe you'll try something new this year.

ARRL January VHF Sweepstakes - Jan 19-20

This is a great opportunity to try out SSB on 6M and higher. FM activity is OK, too.

Rules at www.arrl.org/contests/rules/2008/jan-vhf-ss.html

PPRAA Megafest - June 14

A great swapfest, centrally located along the Front Range at Lewis-Palmer High School in Monument.

ARRL June VHF QSO Party - June 14-16

This is The Big One for VHF operating. Find a high spot to operate portable or just get on the air from home. Maybe do a rover operation (mobile from different grids).

Rules at <http://www.arrl.org/contests/>

ARRL Field Day - June 28-29

You have to work Field Day . . . whether it is with the PPRAA, with another club or on your own.

Rules at arrl.org/contests/announcements/fd/

CQ Worldwide VHF Contest - July 19-20

This is a 6-Meter and 2-Meter only contest. The date isn't published yet, but will probably be around July 19-20. This is a great time to get on VHF and focus on

just two bands.

Colorado 14er Event - August 10

Amateur Radio operators from around Colorado will be operating from the summits of 14,000-foot mountains. Find a high spot and see how many you can work. Most activity is on 2M FM but other bands are used, too. Info at www.14er.org

Colorado QSO Party (COQP) - Sept 20-21

Nothing says "Colorado" more than the COQP. This is a great opportunity to get on the air and have some fun. The COQP offers something for everyone: single operator, multi-operator, mobile, HF, VHF, county hunting, etc. and it's sponsored by the PPRAA: www.ppra.org/coqp/

If you haven't work VHF or would like a few tips, check out www.k0nr.com/rwitte/vhf_contest.html

Bob Witte, K0NR
bob@k0nr.com

AMATEUR RADIO LICENSE EXAMINATIONS

The PPRAA/VE team holds testing sessions at 9 AM at the Colorado Technical University, 4435 North Chestnut (just west of I-25 and just south of Garden of the Gods Rd).

Exam fee: \$14.00 for Elements 2, 3, and/or 4, payable to ARRL/VEC.

No same-day retakes of same element. Walk-ins allowed; pre-registration not necessary.

BRING: Photo ID, original and copy of valid ham license and/or valid CSCE, and FRN for licensed hams.

Contact:

Jackie Cornwell AC0CA at 719-632-8254 or email

Online: ppraa.org or arrl.org.

Mark your calendars:

Feb. 9, Apr. 12, Jun. 14, Aug. 9,

Oct. 11, Dec. 13

January 2008 Contest Schedule

-  **ARRL RTTY Roundup**
1800Z, Jan 5 to 2400Z, Jan 6
-  **EUCW 160m Contest**
2000Z, Jan 5 to 0700Z, Jan 6
-  **ARS Spartan Sprint**
0200Z-0400Z, Jan 8
-  **Hunting Lions in the Air Contest**
0000Z, Jan 12 to 2400Z, Jan 13
-  **Midwinter Contest, CW**
1400Z-2000Z, Jan 12
-  **North American QSO Party, CW**
1800Z, Jan 12 to 0600Z, Jan 13
-  **NRAU-Baltic Contest, CW**
0530Z-0730Z, Jan 13
-  **Midwinter Contest, Phone**
0800Z-1400Z, Jan 13
-  **NRAU-Baltic Contest, SSB**
0800Z-1000Z, Jan 13
-  **DARC 10-Meter Contest**
0900Z-1059Z, Jan 13
-  **LZ Open Contest**
0400Z-1200Z, Jan 19
-  **Hungarian DX Contest**
1200Z, Jan 19 to 1200Z, Jan 20
-  **North American QSO Party, SSB**
1800Z, Jan 19 to 0600Z, Jan 20
-  **Run for the Bacon QRP Contest**
0200Z-0400Z, Jan 21
-  **CQ 160-Meter Contest, CW**
0000Z, Jan 26 to 2359Z, Jan 27
-  **REF Contest, CW**
0600Z, Jan 26 to 1800Z, Jan 27
-  **SARL Youth for Amateur Radio**
0700Z-1100Z, Jan 26
-  **BARTG RTTY Sprint**
1200Z, Jan 26 to 1200Z, Jan 27
-  **UBA DX Contest, SSB**
1300Z, Jan 26 to 1300Z, Jan 27

ARRL VHF contest is also the 19 and 20th which is the same weekend as NAQP-SSB :(

PPRAA BOARD MEETING MINUTES

Dec. 17, 2007



Attendees: Mike WV7T, Doug N7LEM, Dennis NØABC, Ken KDØAGV, Joe NØVKR, Bill KDØJU, and John KCØJFH.

President Doug Nielsen N7LEM called the meeting to order at 7:02 PM at the Stetson Hills Police Substation. Minutes were approved as printed.

Reports

Treasurer's Report – Dennis NØABC reported that we have a total of \$10,920.24 in our three accounts as of Dec 17, 2007.

Membership Committee – no report.

Programs – Ken KDØAGV

-  Jan – Homebrew Show and Tell - Bring your homemade project to show off.
-  Feb – Antenna building project – type tentatively is a twin-lead J-pole.
-  Mar – Digital Modes
-  Apr – Dxing
-  May – QRP plus MegaFest preparation
-  Jun – Field Day info, preparation, and coordination
-  Jul – RTTY
-  Unscheduled: test instruments

Unfinished Business:

- ❖ **Volunteer Recognition**, Level 2 Awards
- ❖ What items should we use? Stainless steel travel mugs are preferred.
- ❖ **Phone Notification/Announcements**: Les needs to provide Joe NØEKR with our members' phone numbers to be used for meeting reminders.

❖ **Asset Storage:** Mike still needs to move the club equipment at his home to another location. Timing is not critical, but this will remain an open item.

❖ **Membership Benefits:** Mike is working on a new member package. Ken suggested that we assign a mentor to new members. He also suggested we delay access to Zero Beat for one month for nonmembers on the website. Board members are requested to make an effort to talk with new or prospective members at the club meetings. Another suggestion is to give a table discount for club members at our hamfest. Ad specialty items with the club logo, etc., were also mentioned. New jackets were also discussed. Possible sources are callsigndepot.com and callsignwear.com.

❖ **Membership:** Suggestion was made to increase youth activities by setting up a scholarship award program for young hams. Also Joe suggested that we give new hams a call after they get their license.

❖ **Special Events Stations:** Possibilities: NORAD tracks Santa, PBS fund raising events with club members answering phones.

New Business

- ✓ **Club Picnic:** Proposed date is 16 August 2008. Tentative location is Dirty Woman Park in Monument.
- ✓ **Website Calendar:** Doug has improved the calendar to allow viewing of categories of events (e.g., meetings, contests, etc.).

Around The Table

➢ **Mike WV7T:** Mike and Jim ABØUK have volunteered to head up Field Day if no other volunteers speak up. Mike would like to turn over the club owned books to the club librarian (Ken). What should we do with the Hammy Award? Should we do a quarterly dinner? How about some family-oriented summer activities/trips?

➢ **Ken:** He is looking for old CQ magazines for the library.

➢ **Doug:** Could we have some type of field trip-type programs, such as a visit to a TV station or the weather bureau?

The meeting was adjourned at 8:38 PM.

Next PPRAA Board meeting: 7PM, Monday, January 14, 2007, at the Stetson Hills Police Substation.

Submitted by:

*John Wishart KCØJFH
PPRAA Secretary
18 November 2007*

WAY BACK MACHINE

1938

“A thrill for themselves and a service for the community “ - that tells the story of the activities of radio amateurs, of whom there are a dozen or more in Colorado springs with transmitting and receiving sets used in contacting hundreds of other amateurs in all parts of the United States and in several foreign countries.

Among local enthusiasts are Carl and George Drumeller, members of Pikes Peak Amateur Radio Association.

1954 January

The regular meeting of the El Paso Radio Club was held at the Naval Reserve Armory.

It was noted that the Club visited KRDO TV. On invitation of Joe Rehear, the meeting was adjourned and the members went to visit KRDO.

Les Borst KCØNC

SOLAR UPDATE

George McCray AGØS

Big NEWS? Maybe I should say Good News and Bad News. Many solar physicist's who study solar activity were at odds in early December with the emergence of a weak zone of reversed magnetism at 24 degrees North Latitude.

A high latitude area with reversed polarity appeared over the eastern limb of the sun on December 11th. (Figure 1) This area of reversed magnetism may be the indicator of the beginning of a new solar cycle. In this

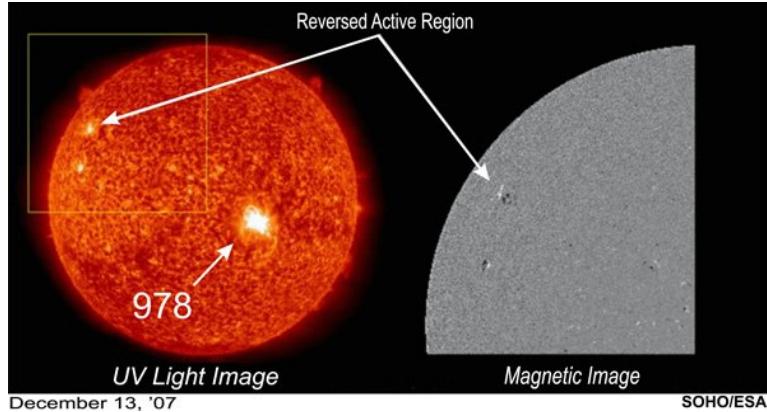


Figure 1

case, however, it didn't last long and faded nearly as quickly as it emerged. Nevertheless,, some are already predicting the beginning of cycle 24. "New solar cycles always begin with a high-latitude, reversed polarity sunspot," explains Dr. Hathaway of "NASA/National Space Science & Technology Center". "Reversed polarity " means a sunspot with opposite magnetic polarity compared to sunspots from the previous solar cycle. "High-latitude" refers to the sun's grid of latitude and longitude. Old cycle spots congregate near the sun's equator. New cycle spots appear higher, around 25 or 30 degrees north latitude. The region that appeared on Dec. 11th fits both these criteria. It is high latitude (24 degrees N) and magnetically reversed. Just one problem: *There is no sunspot*. So far, the region is just a bright knot of magnetic fields. If, however, these fields coalesce into a dark sunspot, scientists are ready to announce that Solar Cycle 24 has officially begun.

So the "Good News" is, there was an area of reversed magnetism at high latitude on the solar disk

but the "Bad News" is there was no associated sunspot. Are we about to see the beginning of Cycle 24? That is the proverbial \$24,000- question. We'll just to wait and see.

The 45 Day Forecast indicates we should have Solar Flux around 85 from January 4th through the 11th and in the mid to high 70's until the first week in February.

Reprinted by permission of George McCray AGØS from the January 2008 issue of Round Table, the Denver Radio Club's newsletter.

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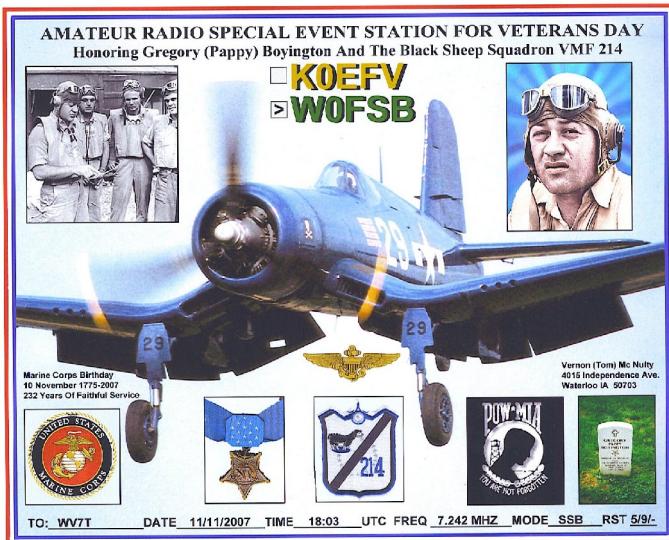
Mike Anderson WV7T

Mike Anderson WV7T earned three certificates for working the "5 Sullivan Brothers" special event station, both as WV7T and with his special event station KØUSN, on Veteran's Day 2007. Also included is the certificate honoring Greg "Pappy" Boyington of the Marine Corps Black Sheep Squadron in WW II who was immortalized in the TV series, *Black Sheep*, from 1976-1978.





The five Sullivan brothers enlisted in the Navy following the attack on Pearl Harbor where one of their friends was killed. They all were assigned to the USS Juneau, which was attacked and sunk during WW II with the loss of not only the Sullivan Brothers, but several pairs of brothers, an action that prompted the United States government to save one brother after D-Day and became the movie, *Saving Private Ryan*, based on a true story of a private in the 101st Airborne Division.



What certificates have you been awarded in the past few months you'd like to share? There's always room in Bragging Rights to take your bows Rights and more space on the web.

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PPRAA Christmas Party 2007 Photo Album

There's nothing like a party to liven things up.



Doug N7LEM and Jim ABØUK
Lifetime Achievement award winner



Mike Anderson WV7T
PPRAA Multi/Single Operator Award for 2007



Looks like Dan ACØCC is ready for more.
(lower right hand corner)



Merry Christmas to all and to all a good feast.

DITS & BITS

Dr. Robert C Varnum (Bob), WAØWRL donated the following items to the club in memory of his father Walt Varnum, W2OH. Walt W2OH died several years ago and his call sign was reassigned.

- Collins KWM-2 Transceiver
- Collins Power Supply Type 516F2
- Drake RF Watt Meter model W-4
- Heathkit Q Multiplier model QF-1
- Johnson Viking Match Box

Bob has lived in Colorado Springs for years but has not been active in amateur radio. He maintains his ticket out of respect for his father. Walt was a very active ham in New Jersey and used Morse code at 40-50 WPM. He kept in contact with Bob by radio and bought Bob some Collins equipment that he thinks was a KWM-2. The radio has sat idle since his father's death. Pictures of the equipment Bob donated are available on the Ø-Beat online. President Doug Nielsen N7LEM will have the equipment checked out and provide Bob with info about the first QSO made.



Some of the equipment donated by Bob WAØWRL



Creating Great Websites with Joomla! Part 3

This is the final installment in a 3-part series of articles on developing professional websites with the free and powerful Joomla! Content Management System (CMS).

CMS systems generally allow the development of complex sites without the need to master all the nits of programming navigation bars, adding pictures, making buttons work, linking between pages, connecting to databases, allowing users to upload and download files, keeping a blog, etc.

Part 1 ([November 2007, PPRAA Ø-Beat](#)) walked readers through the installation process for Joomla! The [December 2007, PPRAA Ø-Beat](#) carried part 2, which was focused on editing and adding content, inserting pictures into articles, working with menus/navigation and polling users. Part 2 also introduced the Joomla! Administrator. Both of these PPRAA Ø-Beat back-issues are available for download and a working example of a simple Joomla! website can be found at [K0SRW.com](#).

We'll finish up the article series with some quick examples of adding **components** to your site. Joomla! defines a **component** as a separable feature of Joomla!'s baseline functionality. The **component** term also refers to extensions that let your site move beyond Joomla!'s baseline capabilities.

Once we talk about a few example components, and a handy addition that demonstrates making a minor addition to one of Joomla's PHP files, we'll wrap things up with a peek at **Google Analytics**. Google Analytics is a free and very comprehensive website usage monitoring tool you'll use to analyze the thousands of hits your awesome new website receives!

Finding New Extensions

As of December 17, 2007, there were over 2,500 Joomla! extensions available at [Extensions](#). If you Google for "Joomla extensions" you'll find a number of other sites that distribute Joomla! extensions too, but [Extensions.joomla.org](#) is always my first stop. Here, you'll find a huge array of Joomla! extensions in the following general categories:

- Admin Tools
- Banner Ads & Affiliates
- Calendars
- Communication
- Content & News
- Core Enhancements
- Documentation
- e-Commerce
- Extension Specific Plugin
- Forms
- Gallery & Multimedia
- Intranet & Groupware
- Languages
- Miscellaneous
- Search & Indexing
- Tools
- Vertical Markets
- WYSIWYG Editors

Fortunately, there's a convenient **Search** capability right near the top of the extensions site home page so you can look for what you're trying to find without trying to guess the category where the extension was filed.

The screenshot shows a Mozilla Firefox browser window displaying the Joomla! Extensions Directory. The title bar reads "Joomla! Extensions Directory - Mozilla Firefox". The address bar shows the URL "http://extensions.joomla.org/". The page content includes the Joomla logo and the tagline "...because open source matters". A navigation menu at the top has items: Main, News, Help, Forum, Extensions (which is highlighted), Shop, Developers. Below the menu is a search bar with a "Search" button and a link to "Advanced Search". A message indicates "Showing 2538 extensions to the community. Last updated on December 17." To the left is a "Main Menu" sidebar with links to Home and New Extensions. In the center, there's a "New Extensions" section featuring "1. Lava Factory Menu" under Category: Menu Systems. To the right is a "Top Rated" section featuring "1. Page Peel Banner" under Category: Advertising Banners. A "Support Joomla!" banner is visible in the top right corner.

Adding a Time Zone Clock to Your Website

As a quick example, let's add a simple, yet powerful time zone clock to your website. Once the extension is installed, it will look something like the following, where different colors, represent different types of events (all at your discretion, of course):

Your first step will be to navigate to the [Joomla! extensions site](#). In the **Search** control at the top, type the word **clock**. The one we want is called **Time Zone Clock** and today at least, it appears at the top of the list. But, you might need to scroll the other **fifty** clock modules that are available in order to find it.

Once you find the Time Zone Clock, you'll see something like this:



Joomla! Extensions Directory - Mozilla Firefox

File Edit View History Bookmarks Yahoo! Tools Help

http://extensions.joomla.org/component?option=com_mtree&task=searchIter

Google

Extension Categories

Most Reviewed

Categories

Found 1 categories for **clock**

Clocks (0/51)

Extensions

Results 1 - 10 of 36 for **clock**

Time Zone Clock

★★★★★ 17 votes - 14 reviews

(UPDATED) New Version 3.9.0. Version 3.9.0 fixes a small bug that was causing the seconds to run backwards when the pc time was ahead of the server time. This is a module to display up to 10 different time zones on your Joomla Site. Provisions are made to handle the special cases where the time zone is 30 or 45 minutes off from a normal GMT offset as well as the extra ones that are GMT+13 and GMT+14. (handles 39 different timezones) You must select the timezone difference from UTC/GMT and the descriptive tag you want displayed.. The time ...

Category: Clocks | GNU GPL | http://joomlancode.org/gf/project/tzclock/ | Updated 148 days ago Views: 29,284

Download

Time Zone Clock M module

08:16:49 Eastern (Tue)
13:16:49 GMT (Tue)
16:46:49 Iran (Tue)
17:46:49 Afghanistan (Tue)
16:16:49 Iraq (Tue)
19:01:49 Nepal (Tue)
02:16:49 Kiribati(Pi) (Wed)
22:46:49 Adelaide (Tue)

Aqua Analog Clock

★★★★★ 4 votes - 2 reviews

Shows Analog and Digital Clock and Current Date

Download

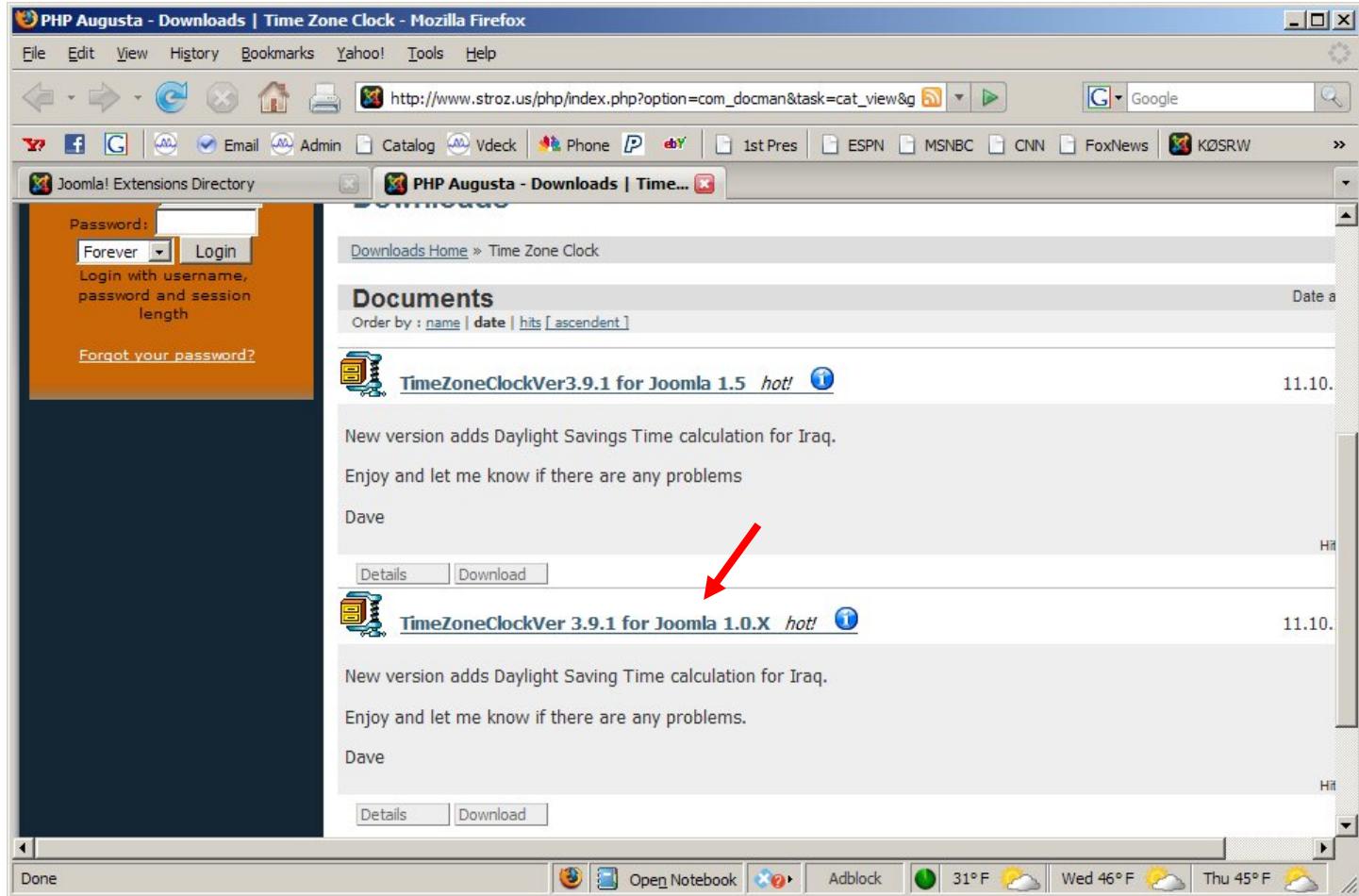
Aqua Analog Clock M module

31° F Wed 46° F Thu 45° F

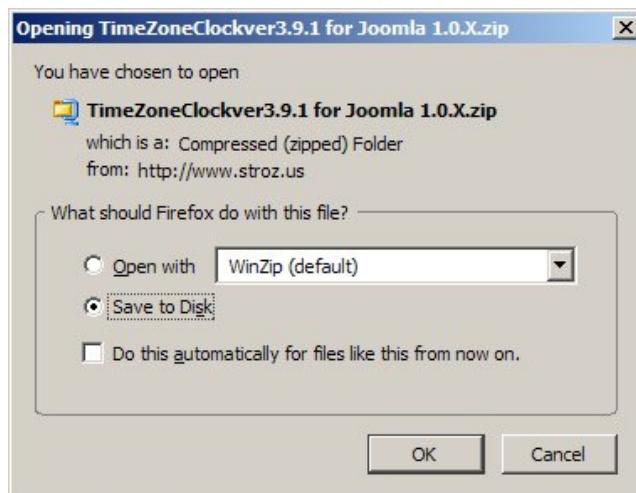
Done

Open Notebook Adblock

Click the **Download** button, and you'll be taken to the download site for the developer of the Time Zone Clock extension:



We've been working with Joomla! 1.0.13, so click the link shown by the red arrow above. Depending on which browser you're using (I'm using Mozilla Firefox here), you'll see a dialog like the following, where you'll want to save the ZIP file to disk.



Now, navigate to your Joomla! Administrator panel which can be accessed by pointing your browser to <http://www.yoursitename.com/administrator>. Log on as described in last month's article.



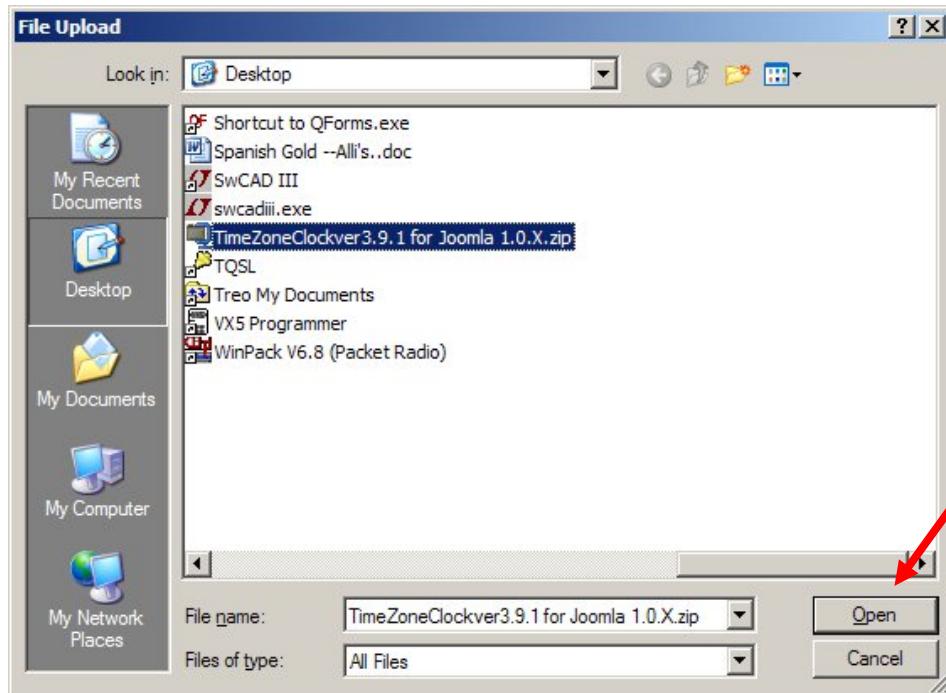
Once in the Joomla! Administrator, select **Installers | Modules** from the menu bar as shown below:

The top portion, entitled **Install New Modules** is where we'll be working, but if you roll down farther on the display, you can see a list of all modules that are installed on your site already. Unless you've already

installed some additional modules on your own, the ones you'll see in this list are those that are part of the Joomla! baseline installation.

The screenshot shows the Joomla! Administrator interface for version 1.8. The top navigation bar includes links for Home, Site, Menu, Content, Components, Modules, Mambots, Installers, Messages, System, and Help. The main content area is titled "The K0SRW Website and home of the FPC 11:30 Choir / com_installer". A yellow warning box at the top states: "Warning: Installing 3rd party extensions may compromise your server's security. Upgrading your Joomla! installation will not update your 3rd party extensions. For more information on keeping your site secure, please see the [Joomla! Security Forum](#)." Below this, there are two sections: "Install new Modules" and "Installed Modules". The "Install new Modules" section has fields for "Package File:" with a "Browse..." button and an "Upload File & Install" button. The "Installed Modules" section lists a single module: "Done" (Module File: Open Notebook, Client: Adblock, Author: 31°F, Date: Wed 46°F, Author E-mail: Thu 45°F, Author URL: Weather). A red arrow points to the "Browse..." button in the "Install new Modules" section.

This installation process just couldn't be much simpler! Click the **Browse** button and find the ZIP file you just downloaded from the Time Zone Clock developer's web site.



Once you've found the file, click on it, then click the **Open** button on the **File Upload** dialog. Having done this, you'll be back at the Module Installer page, but you'll note that the module package file is now filled in.

The K0SRW Website and home of the FPC 11:30 Choir - Administration [Joomla!] - Mozilla Firefox

File Edit View History Bookmarks Yahoo! Tools Help

http://www.k0srw.com/administrator/index2.php?option=com_installer&element=module

Joomla! Extensions Directory The K0SRW Website and home of...

Joomla! Administrator version 1.8

Home Site Menu Content Components Modules Mambots Installers Messages System Help

Logout k0srw

The K0SRW Website and home of the FPC 11:30 Choir / com_installer

Uninstall Help

Warning: Installing 3rd party extensions may compromise your server's security. Upgrading your Joomla! installation will not update your 3rd party extensions.
For more information on keeping your site secure, please see the [Joomla! Security Forum](#).

Install new Modules

Upload Package File

Package File: C:\Documents and Settings\Steve Williams\Desktop\TimeZoneClockver3.9.1 [Browse...] **Upload File & Install**

Install from directory

Install directory: /home/k0srwcom/public_html/administrator/components/com_installer/ **Install**

media/ Writeable
administrator/modules/ Writeable
modules/ Writeable

Installed Modules

Only those Modules that can be uninstalled are displayed - some Core Modules cannot be removed.

Module File	Client	Author	Version	Date	Author E-mail	Author URL
Done						

Open Notebook Adblock 31° F Wed 46° F Thu 45° F

Click the **Upload File & Install** button, and within a few seconds the module will be installed, as confirmed by the following display:

The K0SRW Website and home of the FPC 11:30 Choir / com_installer / uploadfile

Upload module - Success

Time Zone Clock

This is a javascript time module to display up to 10 different time zones. Provisions are made to handle the special cases where the time zone is 30 or 45 minutes off from a normal GMT offset as well as the extra ones that are GMT+13 and GMT+14. This version uses the server time to calculate the times displayed on your web page. This version also locks the time to the PC Clock to ensure that the time displays will not lose time as the previous version did. Usage You must select the timezone difference from UTC/GMT and the descriptive tag you want displayed for each time zone you want to display. If the descriptive text for a time zone is blank it will not be displayed. Daylight Saving Time is calculated for US, Europe, Australia and Iraq.

[Continue ...]

Joomla! is Free Software released under the GNU/GPL License.
Joomla! 1.0.13 Stable [Sunglow] 21 July 2007 16:00 UTC
[Check for latest Version](#)

Done Open Notebook Adblock 31° F Wed 46° F Thu 45° F

Read the developer's notes provided, then click the **Continue...** link. You'll be returned to the Module Installer screen, where you can select **Modules | Site Modules...** to adjust the behavior of the newly installed Time Zone Clock module.

The screenshot shows the Joomla! Administrator interface. At the top, there's a toolbar with various icons and links like 'File', 'Edit', 'View', 'History', 'Bookmarks', 'Yahoo!', 'Tools', 'Help', and a search bar. Below the toolbar is a menu bar with 'Home', 'Site', 'Menu', 'Content', 'Components', 'Modules' (which is highlighted), 'Mambots', 'Installers', 'Messages', 'System', and 'Help'. A sub-menu for 'Modules' is open, showing 'Site Modules' and 'Administrator Modules'. On the right side of the header, there are user stats (0 users, 1 user online) and a 'Logout k0srw' link. The main content area has a warning message: 'Warning: Installing 3rd party extensions may compromise your server's security. Upgrading your Joomla! installation will not update your 3rd party extensions. For more information on keeping your site secure, please see the [Joomla! Security Forum](#).'. Below this, there's a section titled 'Install new Modules' with fields for 'Upload Package File' (with 'Browse...' and 'Upload File & Install' buttons) and 'Install from directory' (with an 'Install' button). Under 'Installed Modules', it says 'Only those Modules that can be uninstalled are displayed - some Core Modules cannot be removed.' and lists a single module: 'Done'.

After choosing **Modules | Site Modules** you'll see a display like this one, where you'll be able to find your new Time Zone Clock module listed.

The screenshot shows the Joomla! Administrator interface with the title "Module Manager [Site]". The table lists 12 modules:

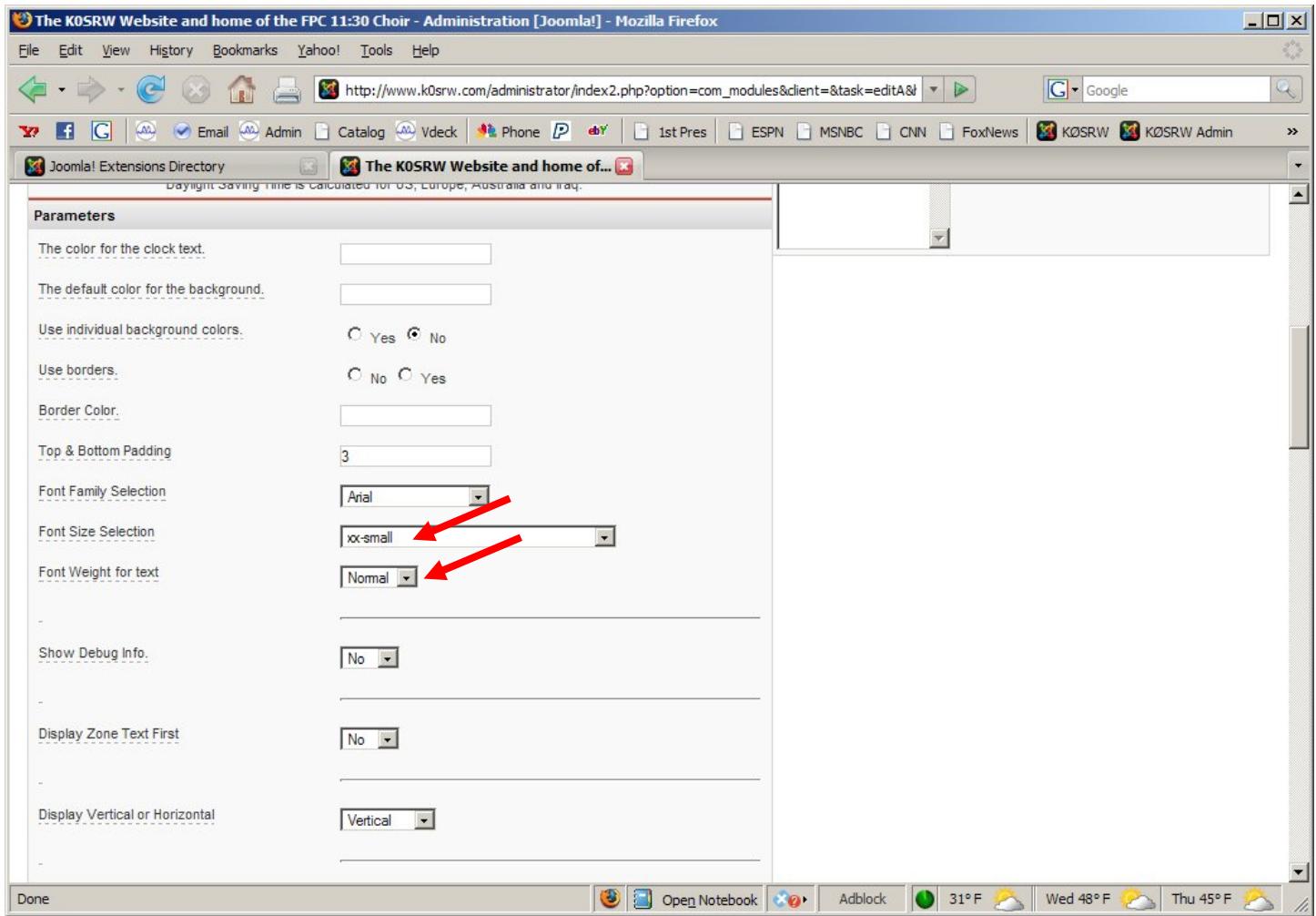
#	Module Name	Published	Reorder	Order	Access	Position	Pages	ID	Type
1	Banners	<input type="checkbox"/>		1	Public	banner	All	18	mod_banners
2	Main Menu	<input type="checkbox"/>		1	Public	left	All	3	mod_mainmenu
3	User Menu	<input type="checkbox"/>		2	Registered	left	All	2	mod_mainmenu
4	Login Form	<input type="checkbox"/>		3	Public	left	All	4	mod_login
5	Syndicate	<input type="checkbox"/>		4	Public	left	Varies	5	mod_rssfeed
6	Statistics	<input type="checkbox"/>		5	Public	left	None	7	mod_stats
7	Template Chooser	<input type="checkbox"/>		6	Public	left	Varies	10	mod_templatechooser
8	Archive	<input type="checkbox"/>		7	Public	left	None	11	mod_archive
9	Sections	<input type="checkbox"/>		8	Public	left	None	12	mod_sections
10	Related Items	<input type="checkbox"/>		9	Public	left	None	14	mod_related_items
11	Wrapper	<input type="checkbox"/>		10	Public	left	None	31	mod_wrapper
12	Time Zone Clock	<input type="checkbox"/>		99	Public	left	All	38	mod_tz_clock

Click on the Time Zone Clock name (though it doesn't appear as a link, it actually is one), and you'll be taken to the control panel for the Time Zone Clock module. Don't change any of the settings just yet, but scroll around and take a quick look at all the options you have!

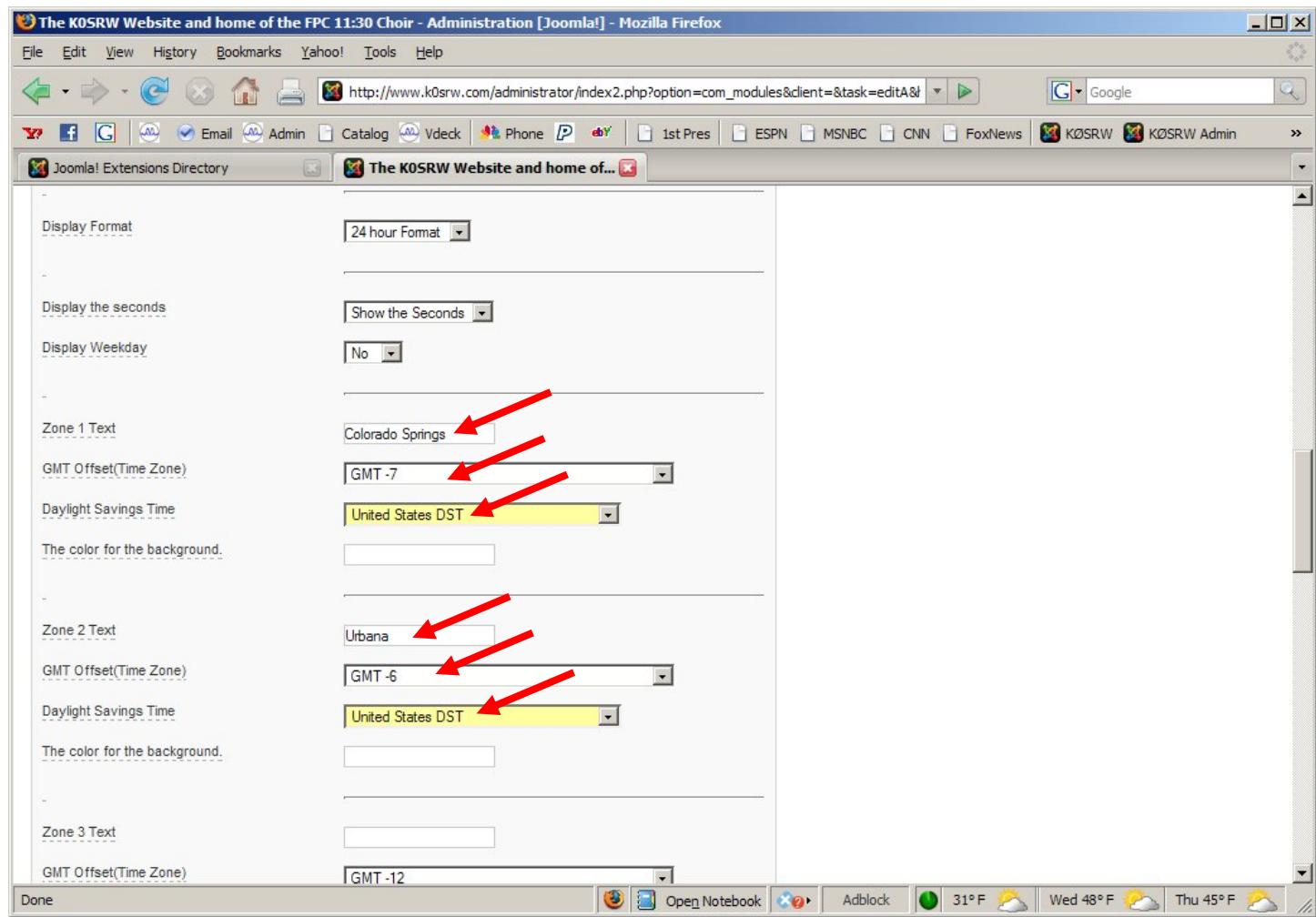
Scroll back to the top of the Time Zone Clock module control panel, and click the **Published** radio button as is shown here:

The screenshot shows the Joomla! Administrator interface for editing a module. The left panel displays the 'Details' tab with fields for Title, Show title, Position, Module Order, Access Level (set to Public), Published status (set to Yes), and a detailed description of the Time Zone Clock module. The right panel shows the 'Pages / Items' tab with a list of menu item link categories. The 'Published' field has a red arrow pointing to the 'Yes' radio button.

Next, scroll down a little so that you can see the **Font Size Selection** and **Font Weight** for text controls. Match the following settings:



Scroll down a bit farther, and match these settings for time zone 1 and time zone 2.



Finally, scroll back to the top of the control panel and click the **Save** button:

The screenshot shows the Joomla! Administrator interface for editing a site module. The title bar reads "The K0SRW Website and home of the FPC 11:30 Choir - Administration [Joomla!] - Mozilla Firefox". The menu bar includes File, Edit, View, History, Bookmarks, Yahoo!, Tools, and Help. The toolbar has various icons for file operations like Open, Save, Print, and Find. The address bar shows the URL: http://www.k0srw.com/administrator/index2.php?option=com_modules&client=&task=editA&. The main menu bar has links for Home, Site, Menu, Content, Components, Modules, Mambots, Installers, Messages, System, and Help. The user is logged in as "k0srw". The page title is "Site Module: Edit [Time Zone Clock]". The left sidebar shows "Details" for the module, including Title (Time Zone Clock), Show title (Yes), Position (left), Module Order (2: Time Zone Clock), Access Level (Public), Published (Yes), ID (38), and Description (a detailed explanation of the module's functionality). The right sidebar shows "Pages / Items" with a dropdown menu for "Menu Item Link(s)" containing options like All, None, Unassigned, and various menu items like mainmenu | Home, topmenu | Home, and usermenu | Your Details. At the bottom, there are buttons for Preview, Save, Apply, Close, and Help, along with a toolbar for Open Notebook, Adblock, and weather information (31°F, Wed 48°F, Thu 45°F).

Now, fire up your website, and you should see your brand new Time Zone Clock! Of course, as you saw, there are many, many more configuration options, so you can make it appear just as you would like it!

The screenshot shows a Joomla! website for "The KØSRW Website". The main menu includes "Home", "11:30 Choir", "Links", and "Search". The "TIME ZONE CLOCK" module displays the current time in Colorado Springs (09:08:25) and Urbana (10:08:25). The "LOGIN FORM" module allows users to log in with their username (kØsrw) and password, with options to remember me and a link to "Lost Password?". The "Welcome to The KØSRW Website" module is written by the Web Master on Saturday, 12 June 2004. It includes a message about the website's purpose and a "Read more..." link. Other modules include "LATEST NEWS" (with links to water rescue, church choir, and sermons), "POPULAR" (with links to July 4th Water Rescue, Best Church Choir, and Welcome to The KØSRW Website), and a "NEWSFLASH" box with a message about past sermons and services. On the right, there is a "POLLS" section asking about choir sections and amateur radio license classes, along with "Vote" and "Results" buttons. The footer shows weather information for Wednesday, Thursday, and Friday.

You don't even have to keep Urbana on your clock, but I like to since I grew up there (I went to the University of Illinois) and my Mom still lives there. The University of Illinois is home of course to the famed Symphonic Band and Marching Illini, both of which I played trumpet in. I graduated from the U of I's terrific Electrical Engineering department in 1981. The Illini, by the way, are very uncharacteristically headed to the Rose Bowl this year!

I digress...

That's one way to add new Joomla! extensions, and I think you'll agree that it was pretty easy!

Adding non-Joomla! Items to Your Website

Occasionally, you may discover a capability that you'd like to have on your website, but that isn't implemented as a normal Joomla! extension. This won't happen often, but if it does, know that you can add anything to your Joomla! website that you see on any other website.

These kinds of additions will normally require at least some modifications or additions to Joomla!'s source files. Some will be complex, and others will be easy.

You'll want to determine if the effort involved is worth the learning, integration and testing time required, and if your site's users (and you) will get enough out of having the new addition on your site. Here again, Google may be your best friend, since it is unlikely that you're attempting a Joomla! integration with this addition for the first time.

If you've looked at the venerable KØSRW Website (ok, *venerable* is a bit of an exaggeration), you've probably noticed the nice AccuWeather graphic near the bottom of the left side. This is actually a connection to AccuWeather's netWeather addition.

The screenshot shows a Mozilla Firefox browser window displaying the KØSRW website. The page includes a sidebar with links like Home, 11:30 Choir, Links, and Search. A login form is present. The main content area features a "Welcome to The KØSRW Website" message, a "July 4th Water Rescue" article, and a "Best Church Choir" article. On the left side, there is a red circle highlighting an AccuWeather.netWeather addition. This addition displays the weather forecast for Colorado Springs, showing a temperature of 25°F. Below the weather forecast, there are links for "Read vortex.accuweather.com" and "Open Notebook". The status bar at the bottom shows various icons and the current date and time.

This is a nice little addition that lets you see the current weather situation at a particular zip code. The addition has several different visual appearances, and when it is clicked, complete forecast, temperature trends, warnings and radar materials are easily available. For ham radio sites, it's ideal.

The AccuWeather addition requires only a small snippet of code to be added into one of Joomla!'s PHP files. The code is supplied to you by the AccuWeather site, so you can just copy and paste. The only real trick is to discover where best to add this code!

To get started, point your browser to <http://netweather.accuweather.com>. You'll wind up on a page that briefly describes netWeather's capabilities, with a large **GET MY NETWEATHER** button which you can click once you've looked over the introductory material.

GET MY NETWEATHER

You'll then see a page that asks for some configuration information about your netWeather link. This information is needed so that the AccuWeather site can "write" the proper code for you (which you'll later paste into one of the Joomla! PHP files). Many sites work like this, asking you for information, then generating a custom snippet of code for you based on your answers.

Configure the basic setup of your netWeather application below. Change the units of measurement and language you would like to use and then choose from one of more than 2.7 million locations worldwide.

Choose Units: English (°F, mph) Choose Language: American English Choose Location: 80920 Search

After you've entered the zip code, or the name of the location you're interested in, click the **Search** button, then verify that the displayed location is correct. Click the prominent **Next** button when you're ready to proceed.

Configure the basic setup of your netWeather application below. Change the units of measurement and language you would like to use and then choose from one of more than 2.7 million locations worldwide.

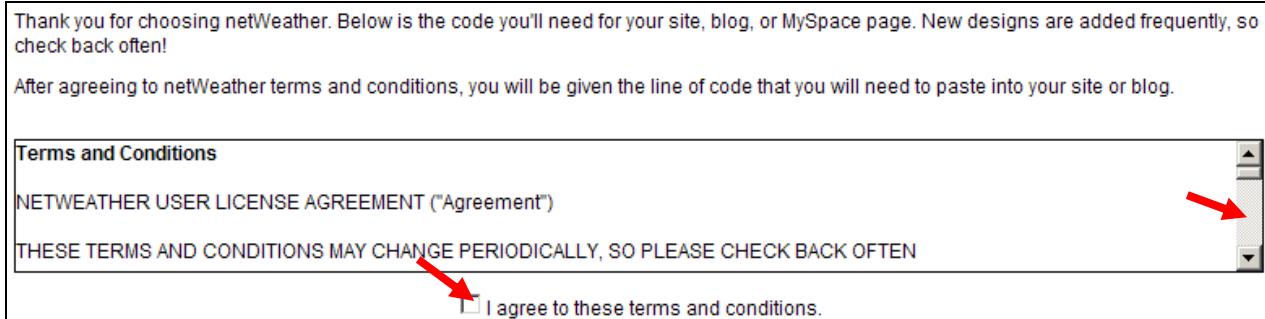
Choose Units: English (°F, mph) Choose Language: American English Choose Location: Colorado Springs Reset

NEXT >

Next, you can choose from a number of different display sizes, each containing different types of information. You can choose small displays (like I chose for K0SRW.com) or major nearly full-screen displays. You choose the general display size via the **Choose Size** control below. You can also select a background style via **Choose Category** and a background theme via **Choose Theme**. There's bound to be something there that you'll like.



When you've selected the display you'd like on your site, click the **Next** button. You'll need to agree to netWeather's terms and conditions on the next page, and if these are acceptable to you, just click the **I agree to these terms and conditions** checkbox.



Next, netWeather will present you with the code you need to add to your site:

Thank you for choosing netWeather. Below is the code you'll need for your site, blog, or MySpace page. New designs are added frequently, so check back often!

Web Page Code

```
<div style='width: 240px; height: 420px; background-image: url( http://vortex.accuweather.com/adcbin/net )'; background-repeat: no-repeat;
```

HIGHLIGHT THIS CODE[How to place on your site or blog](#)**MySpace Code**

```
<div style='width: 240px; height: 420px; background-image: url( http://vortex.accuweather.com/adcbin/net )'; background-repeat: no-repeat;
```

HIGHLIGHT THIS CODE[How to place on your MySpace page](#)

Want to change the size, color, location or language of your netWeather? Return to the [basic info](#) or [themes](#) pages

Optional Contact Information

If you provide us with a valid email address, we will email you the above line of code so you will have it in case you need it again, should you modify your site or blog in any way. This will also provide us with a way to contact you with information on netWeather upgrades. We respect your privacy and will not contact you for any other reason, and we will not sell your contact information.

E-mail Address:

Email Me

Filling in your email address at the bottom is certainly optional, but it is a good way for the AccuWeather folks to keep you posted with updates. In several years of netWeather use, I've received perhaps 2 emails from the system, so don't worry about all sorts of spam coming in.

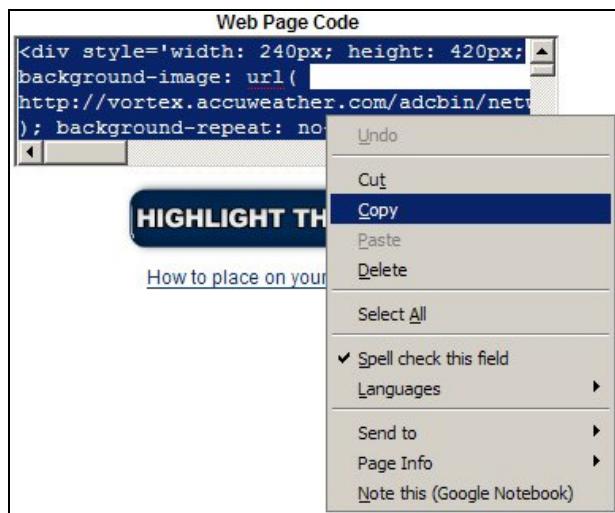
On the left side of this display, netWeather's code for general web pages is displayed. To get this code into your "copy buffer", click the **HIGHLIGHT THIS CODE** button. It will look like this now:

Web Page Code

```
<div style='width: 240px; height: 420px; background-image: url( http://vortex.accuweather.com/adcbin/net )'; background-repeat: no-repeat;
```

HIGHLIGHT THIS CODE

Next, hover your mouse over part of the highlighted Web Page Code, then click the RIGHT mouse button. From the right mouse menu, click **Copy** with your left mouse button.



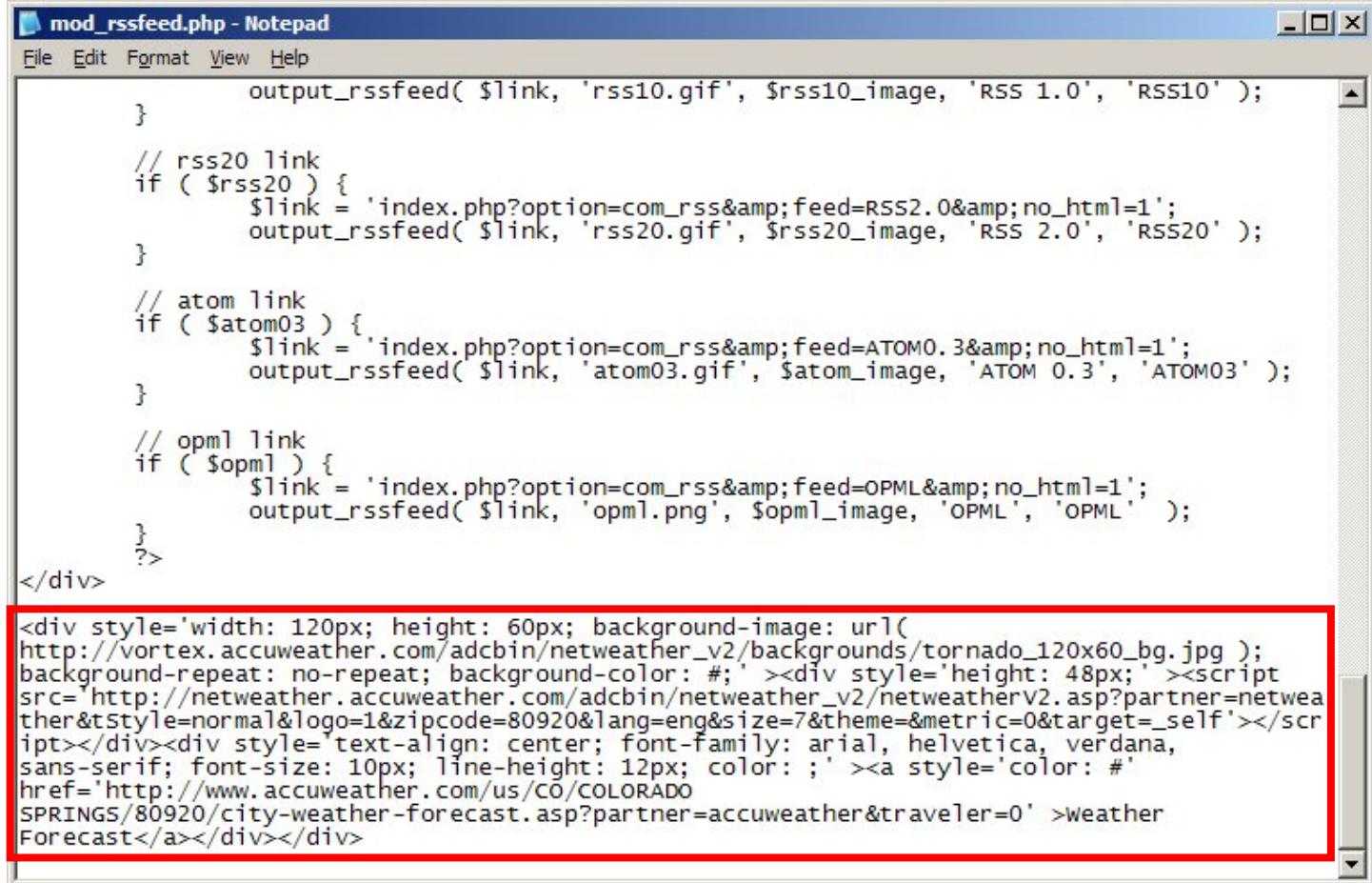
Now, netWeather's Web Page Code is in your “copy buffer” so you can paste it into the proper file! If you think you might accidentally use your copy buffer again before you are actually ready to paste the code, then leave netWeather’s page open so you can recopy the code again later. Or, you can open Microsoft’s Notepad or Wordpad applications and paste the code there for temporary safe keeping.

Next, the code needs to be inserted into the right place within the Joomla! file structure. This is the tricky part since normally you’d need to know a little bit about how to read PHP and HTML, and you’ll need a sense for what file is used for what purpose.

I found a good place to insert this code, but you may feel free to place the code elsewhere if you like. The result of putting the code in the location I’ll show you, is that the netWeather addition appears below the **Syndication** area in the left side navigation panel. You may want your netWeather to show up somewhere else, but start with this example, getting it working, then adjust to your preferences.

*By the way, **syndication** is a great way for users to **subscribe** to your site, and receive instant notifications whenever you publish new items on your site. Via **news aggregators**, your subscribers don’t even have to visit your site to get your latest updates! It is a very powerful way to get the word out! I won’t take the time to talk about this excellent feature right here, but you could take a look in Wikipedia for a quick summary of what syndication is, and how it works. Start at http://en.wikipedia.org/wiki/Web_syndication.*

Using your FTP tool (CuteFTP, for example), connect to your site and locate the **modules/mod_rssfeed.php** file. At the very end of the file, paste in the netWeather code from the copy buffer. You should wind up with something like this:



```
mod_rssfeed.php - Notepad
File Edit Format View Help
        output_rssfeed( $link, 'rss10.gif', $rss10_image, 'RSS 1.0', 'RSS10' );
    }

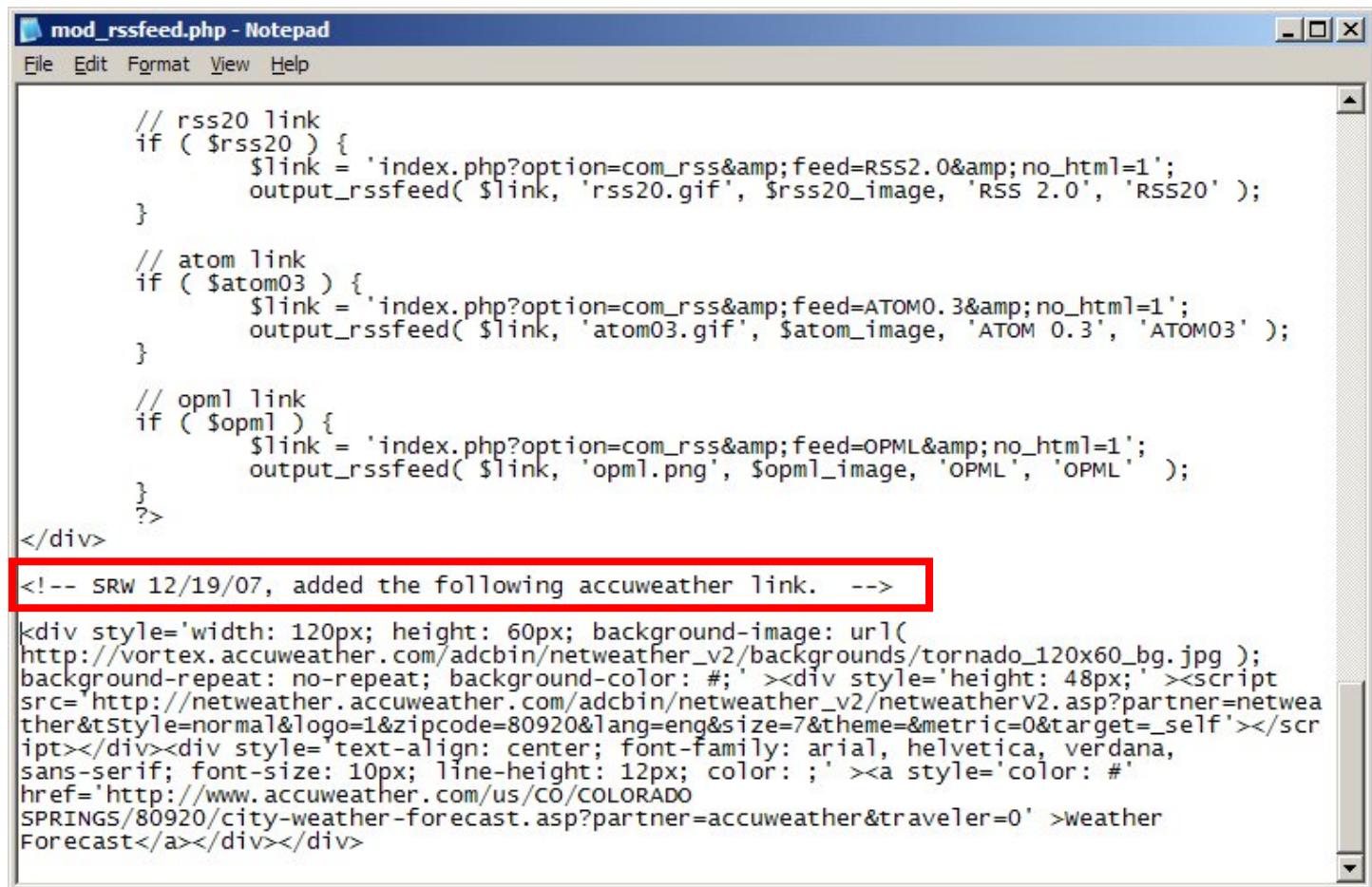
// rss20 link
if ( $rss20 ) {
    $link = 'index.php?option=com_rss&feed=RSS2.0&no_html=1';
    output_rssfeed( $link, 'rss20.gif', $rss20_image, 'RSS 2.0', 'RSS20' );
}

// atom link
if ( $atom03 ) {
    $link = 'index.php?option=com_rss&feed=ATOM0.3&no_html=1';
    output_rssfeed( $link, 'atom03.gif', $atom_image, 'ATOM 0.3', 'ATOM03' );
}

// opml link
if ( $opml ) {
    $link = 'index.php?option=com_rss&feed=OPML&no_html=1';
    output_rssfeed( $link, 'opml.png', $opml_image, 'OPML', 'OPML' );
}
?>
</div>

<div style='width: 120px; height: 60px; background-image: url(
http://vortex.accuweather.com/adcbn/netweather_v2/backgrounds/tornado_120x60_bg.jpg );
background-repeat: no-repeat; background-color: #' ><div style='height: 48px;' ><script
src='http://netweather.accuweather.com/adcbn/netweather_v2/netweatherv2.asp?partner=netwea
ther&tstyle=normal&logo=1&zipcode=80920&lang=eng&size=7&theme=&metric=0&target=_self'></scr
ipt></div><div style='text-align: center; font-family: arial, helvetica, verdana,
sans-serif; font-size: 10px; line-height: 12px; color: #' ><a style='color: #
href='http://www.accuweather.com/us/CO/COLORADO
SPRINGS/80920/city-weather-forecast.asp?partner=accuweather&traveler=0' >weather
Forecast</a></div></div>
```

Whenever you change Joomla! files, it is good practice to leave a comment about your changes, along with your initials and date. That way, you can use search tools to find your changes if you ever need to revisit them. I've added a comment below. Note that a properly formatted HTML comment begins with "<!--", ends with "-->" and does not contain "--" or ">" anywhere in the comment.



```
// rss20 link
if ( $rss20 ) {
    $link = 'index.php?option=com_rss&feed=RSS2.0&no_html=1';
    output_rssfeed( $link, 'rss20.gif', $rss20_image, 'RSS 2.0', 'RSS20' );
}

// atom link
if ( $atom03 ) {
    $link = 'index.php?option=com_rss&feed=ATOM0.3&no_html=1';
    output_rssfeed( $link, 'atom03.gif', $atom_image, 'ATOM 0.3', 'ATOM03' );
}

// opml link
if ( $opml ) {
    $link = 'index.php?option=com_rss&feed=OPML&no_html=1';
    output_rssfeed( $link, 'opml.png', $opml_image, 'OPML', 'OPML' );
}
?>
</div>

<!-- SRW 12/19/07, added the following accuweather link. -->

<div style='width: 120px; height: 60px; background-image: url(
http://vortex.accuweather.com/adcbn/netweather_v2/backgrounds/tornado_120x60_bg.jpg );
background-repeat: no-repeat; background-color: #;' ><div style='height: 48px;' ><script
src='http://netweather.accuweather.com/adcbn/netweather_v2/netweatherV2.asp?partner=netwea
ther&tstyle=normal&logo=1&zipcode=80920&lang=eng&size=7&theme=&metric=0&target=_self'></scr
ipt></div><div style='text-align: center; font-family: arial, helvetica, verdana,
sans-serif; font-size: 10px; line-height: 12px; color: ;' ><a style='color: #
href='http://www.accuweather.com/us/CO/COLORADO
SPRINGS/80920/city-weather-forecast.asp?partner=accuweather&traveler=0' >weather
Forecast</a></div></div>
```

Once you save the modified **modules/mod_rssfeed.php** file back to your site, you'll note that when you run your site, you see something like this:

The KØSRW Website and home of the FPC 11:30 Choir - Home - Mozilla Firefox

File Edit View History Bookmarks Yahoo! Tools Help

Back Forward Stop Home http://www.k0srw.com/index.php Google

Admin Catalog Vdeck Phone eBay 1st Pres ESPN MSNBC CNN FoxNews

Links Search

LOGIN FORM

Username k0srw Password ***** Remember me Login Lost Password? No account yet? Register

SYNDICATE

RSS 0.91 RSS 1.0 RSS 2.0 ATOM 0.3 OPML SHARE IT!

Colorado Springs
25°F AccuWeather.com Weather Forecast

Welcome to The KØSRW Website
Written by Web Master Saturday, 12 June 2004
Hello, and thanks for visiting my website. There isn't a whole lot here yet, but please feel free to look around and be sure to check back when you can. Also, if you see something broken on this site, I'd really appreciate you letting me know about it. Again, thanks for stopping by! If you'd like to read a little more about me, just click the *Read More* link...
Last Updated (Monday, 26 November 2007)
[Read more...](#)

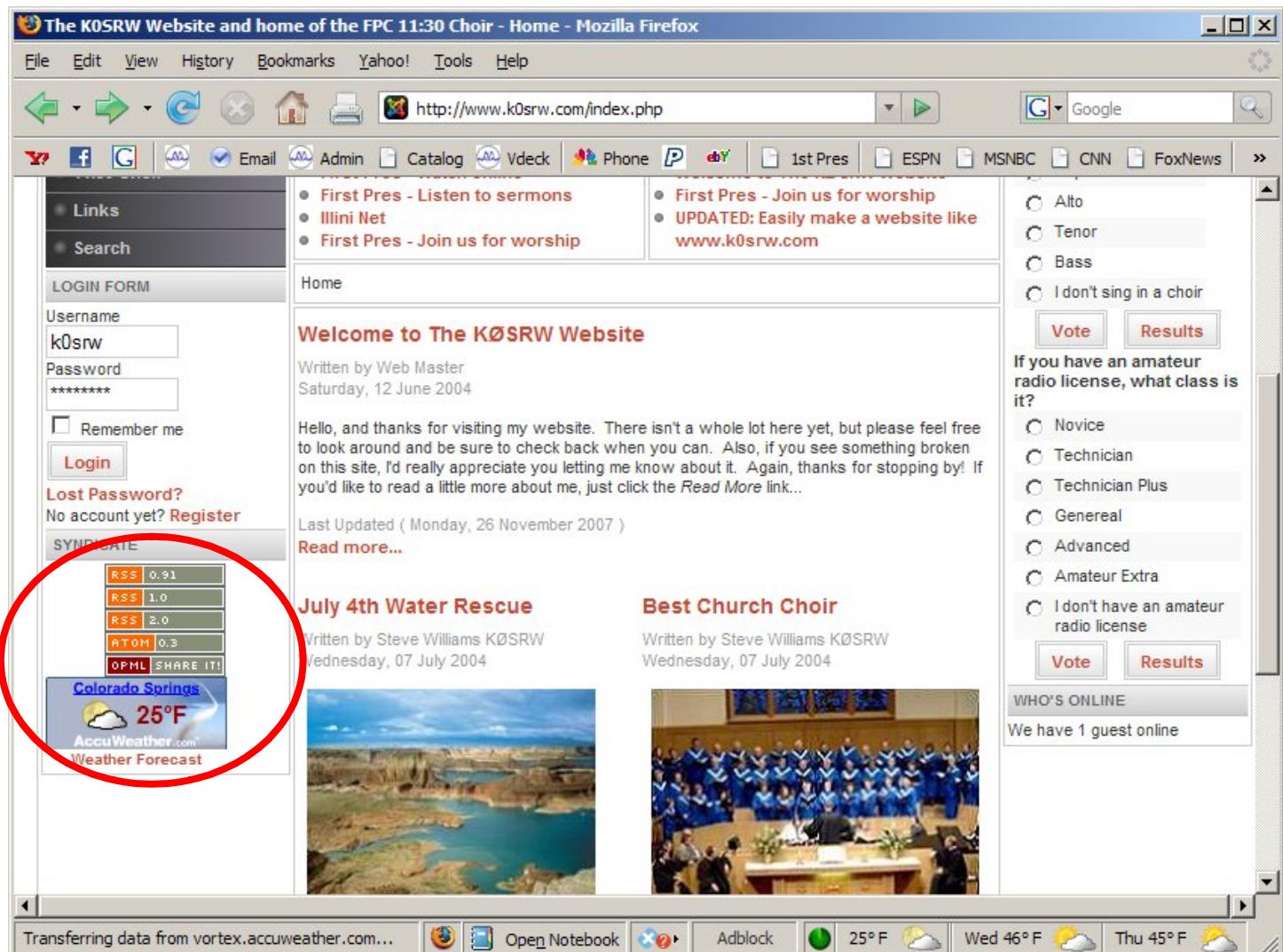
July 4th Water Rescue
Written by Steve Williams KØSRW Wednesday, 07 July 2004


Best Church Choir
Written by Steve Williams KØSRW Wednesday, 07 July 2004


If you have an amateur radio license, what class is it?
 Alto
 Tenor
 Bass
 I don't sing in a choir
 Novice
 Technician
 Technician Plus
 Generale
 Advanced
 Amateur Extra
 I don't have an amateur radio license
 Vote Results

WHO'S ONLINE
We have 1 guest online

Transferring data from vortex.accuweather.com... Open Notebook Adblock 25° F Wed 46° F Thu 45° F



In my view, that doesn't look as nice as it could, so I added some space below the last syndication item. And, I centered the netWeather display. The HTML code for doing that is pretty simple, as shown below. (If you'd like to learn more about HTML, you might take a look at the great tutorials located here <http://www.w3schools.com/html/default.asp>.)

```
mod_rssfeed.php - Notepad
File Edit Format View Help
        output_rssfeed( $link, 'rss20.gif', $rss20_image, 'RSS 2.0', 'RSS20' );
    }
    // atom link
    if ( $atom03 ) {
        $link = 'index.php?option=com_rss&feed=ATOM0.3&no_html=1';
        output_rssfeed( $link, 'atom03.gif', $atom_image, 'ATOM 0.3', 'ATOM03' );
    }
    // opml link
    if ( $opml ) {
        $link = 'index.php?option=com_rss&feed=OPML&no_html=1';
        output_rssfeed( $link, 'opml.png', $opml_image, 'OPML', 'OPML' );
    }
}
?>
</div>
<!-- SPW 12/19/07, added the
&lt;br&gt;
&lt;br&gt;
&lt;br&gt;
&lt;div align="center"&gt;
&lt;div style='width: 120px; height: 60px; background-image: url(
http://vortex.accuweather.com/adcbn/netweather_v2/backgrounds/tornado_120x60_bg.jpg );
background-repeat: no-repeat; background-color: #;' &gt;&lt;div style='height: 48px;' &gt;&lt;script
src= 'http://netweather.accuweather.com/adcbn/netweather_v2/netweatherV2.asp?partner=netwea
ther&amp;tstyle=normal&amp;logo=1&amp;zipcode=80920&amp;lang=eng&amp;size=7&amp;theme=&amp;metric=0&amp;target=_self'&gt;&lt;/scr
ipt&gt;&lt;/div&gt;&lt;div style='text-align: center; font-family: arial, helvetica, verdana,
sans-serif; font-size: 10px; line-height: 12px; color: ;' &gt;&lt;a style='color: #' href='http://www.accuweather.com/us/CO/COLORADO
SPRINGS/80920/city-weather-forecast.asp?partner=accuweather&amp;traveler=0' &gt;Weather
Forecast&lt;/a&gt;&lt;/div&gt;&lt;/div&gt;
&lt;br&gt;
&lt;/div&gt;</pre>
```

Once you save these changes, you'll note that things look much better!

The KØSRW Website and home of the FPC 11:30 Choir - Home - Mozilla Firefox

File Edit View History Bookmarks Yahoo! Tools Help

http://www.k0srw.com/index.php

Google

KØSRW
Password

 Remember me
Login
Lost Password?
No account yet? [Register](#)

SYNDICATE
RSS 0.91
RSS 1.0
RSS 2.0
ATOM 0.3
OPML SHARE IT!

Welcome to the KØSRW Website

Written by Web Master Saturday, 12 June 2004

Hello, and thanks for visiting my website. There isn't a whole lot here yet, but please feel free to look around and be sure to check back when you can. Also, if you see something broken on this site, I'd really appreciate you letting me know about it. Again, thanks for stopping by! If you'd like to read a little more about me, just click the [Read More](#) link...

Last Updated (Monday, 26 November 2007)
[Read more...](#)

July 4th Water Rescue
Written by Steve Williams KØSRW Wednesday, 07 July 2004



Amateur Radio Newsline report number 1303 with a release date of Friday, August 2nd 2002 to follow in 5-4-3-2-1. The following is a Q-S-T.

Its ham radio to the rescue on Thursday, July 4th, 2002. This is the first time I have ever been involved in a water rescue. I am not a certified lifeguard, but I am a licensed ham radio operator and I am trained in basic first aid. I was able to contact the local fire department and let them know where the accident had occurred. They were able to respond quickly and safely. I am very proud of myself for being able to help out in this situation.

Best Church Choir
Written by Steve Williams KØSRW Wednesday, 07 July 2004



A nice honor for one of the choirs I sing in! From the *Best of the Springs* 2006 annual review by the Colorado Springs Gazette newspaper:

On any given Sunday morning there are

If you have an amateur radio license, what class is it?
 Novice
 Technician
 Technician Plus
 Generael
 Advanced
 Amateur Extra
 I don't have an amateur radio license
Vote **Results**

WHO'S ONLINE
We have 1 guest online

Read vortex.accuweather.com

Open Notebook Adblock 25° F Wed 46° F Thu 45° F

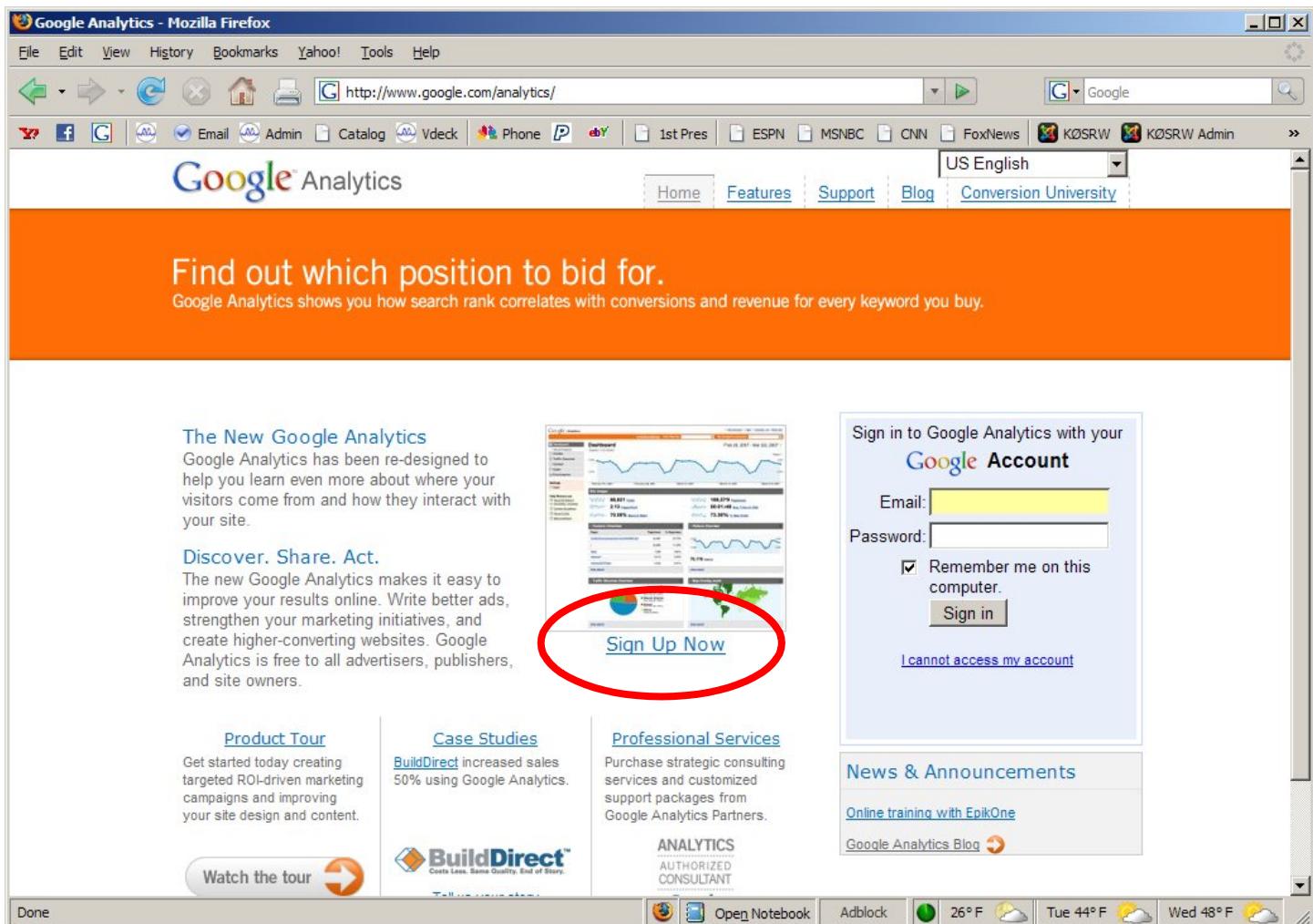
So now you've successfully made a non-Joomla! addition to your site!

Who is Using My Site?

Most people that operate their own websites like to know a little something about who is using their site, how long they stay on the site, what pages they visit, where they are in the world, etc. There are a number of tools available for doing this, but few are as simple, powerful and comprehensive as the free Google Analytics tool. I've used this on my personal site and on my company's site for many years with stellar results. You'll be amazed at the level of data that is collected and viewable!

You'll also be stunned by how simple it is to install! Normally, the installation requires that a snippet of code be added to each and every web page on your site. But, since Joomla! is a CMS, it really has only one web page whose content is dynamic and depends on what you've clicked within the site. So, the good news is that to install Google Analytics on a Joomla! site, the code snippet needs to be put in only one place. It couldn't be easier!

First, you'll need to sign up for Google Analytics. Point your browser to <http://www.google.com/analytics/> to get started. You'll see a display like this:

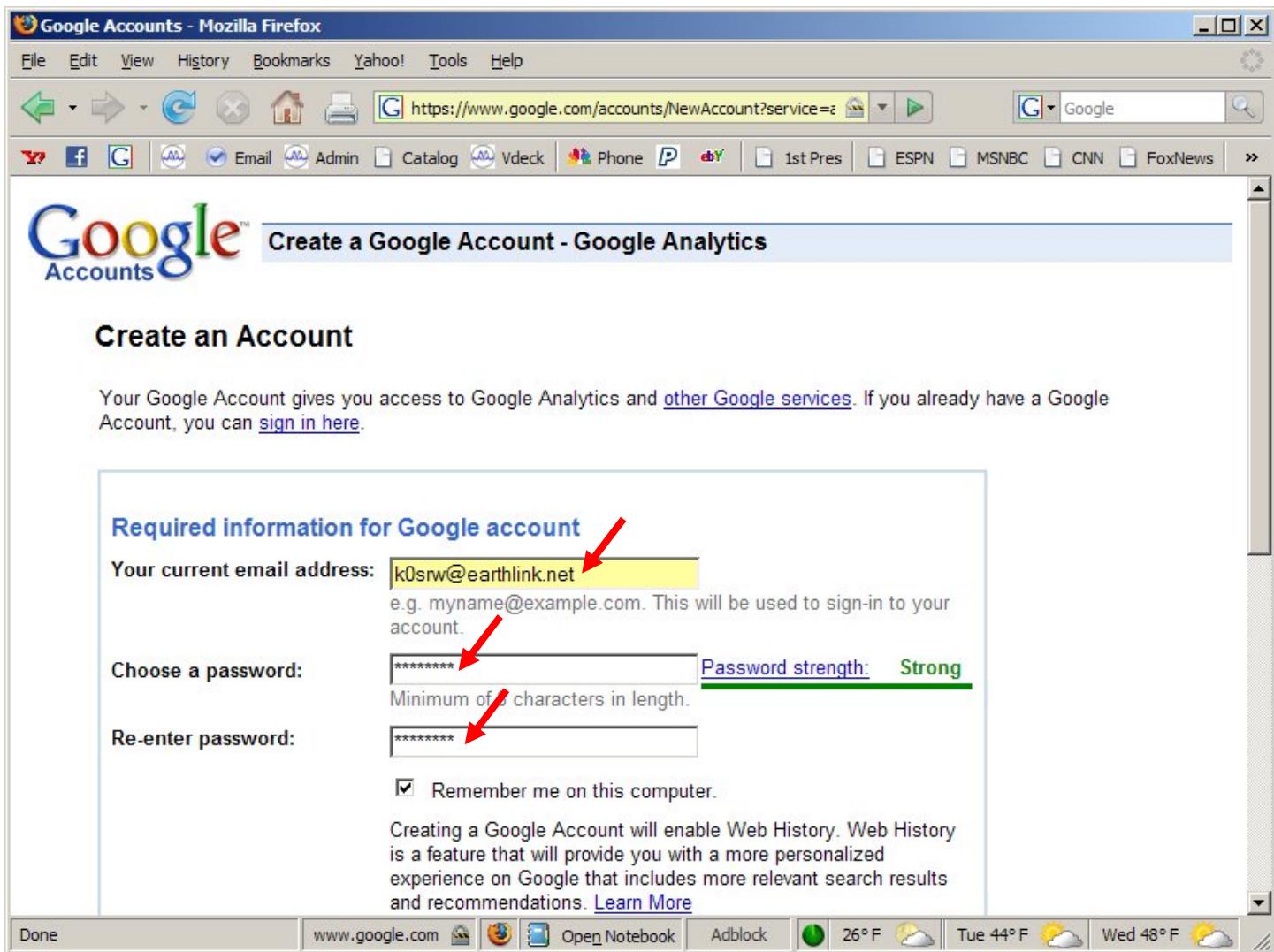


Click **Sign Up Now** link, and you'll be here:

The screenshot shows a Mozilla Firefox browser window with the title "Google Analytics - Sign Up - Mozilla Firefox". The address bar displays "http://www.google.com/analytics/sign_up.html". The main content area shows the Google Analytics sign-up page. On the left, there's a message: "It's easy -- and free!" followed by a dashed line. Below it, text reads: "Google wants you to attract more of the traffic you are looking for, and help you turn more visitors into customers. Use Google Analytics to learn which online marketing initiatives are cost effective and see how visitors actually interact with your site. Make informed site design improvements, drive targeted traffic, and increase your conversions and profits." Another dashed line follows. Then, the text "Sign up now, it's easy -- and free!" is shown. To the right, there are two boxes: one for users without a Google account (with a red circle around the "Sign Up Now" link) and one for logging in with a Google Account (with fields for Email and Password, a "Remember me" checkbox, and a "Sign in" button). At the bottom, there are links for "I cannot access my account" and browser-related icons like "Done", "Open Notebook", "Adblock", and weather information for Tuesday and Wednesday.

If you already have a Google account, go ahead and log in on the right. If not, click this page's **Sign Up Now** link. You are not creating a new email account through this process, just creating a Google account so you can use features like Google Analytics.

You'll see this page next:



Fill out the requested information, then click the **I accept. Create my account.** button near the bottom of the page.

I accept. Create my account.

You'll get an email from Google asking you to verify that you've intended to sign-up for Google Analytics. Just click on the link given in that email, and you'll be ready to go!

Once again now, navigate to <http://www.google.com/analytics>, and sign in with the email address and password you specified on the **Create an Account** screen earlier.

You'll see something like this:

Google Analytics - Mozilla Firefox

File Edit View History Bookmarks Yahoo! Tools Help

https://www.google.com/analytics/home/provision

Google

Y! f G Admin Catalog Vdeck Phone P 1st Pres ESPN MSNBC CNN FoxNews KØSRW >>

Google Analytics

k0srw@arrl.net | Help | Contact us | Sign Out

Getting Started

Improve your site and increase marketing ROI.

Google wants you to attract more of the traffic you are looking for, and help you turn more visitors into customers.

Use Google Analytics to learn which online marketing initiatives are cost effective and see how visitors actually interact with your site. Make informed site design improvements, drive targeted traffic, and increase your conversions and profits.

Sign up now, it's easy -- and free!

(5M pageview cap per month for non AdWords advertisers.)

Sign Up for Google Analytics

You are just a few steps from Google Analytics. Click on the **Sign Up** button to get started.

Sign Up ➤



Common Questions

- [How does Google Analytics help my AdWords account?](#)
- [How much does Google Analytics cost?](#)
- [Will my website be affected by Google Analytics?](#)
- [Who will have access to my Google Analytics data?](#)

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Done www.google.com Open Notebook Adblock 25° F Wed 46° F Thu 45° F

Click the **Sign Up** button, and you'll be asked for some details about the site you want to monitor.

The screenshot shows the 'Analytics: New Account Signup' page. A red oval highlights the 'Website's URL', 'Account Name', and 'Time zone country or territory' fields. The 'Website's URL' field contains 'http:// www.k0srw.com'. The 'Account Name' field contains 'www.k0srw.com'. The 'Time zone country or territory' dropdown is set to 'United States'. The 'Time zone' dropdown is set to '(GMT-07:00) Mountain Time'. To the right, a sidebar titled 'Common Questions' lists several frequently asked questions.

Google Analytics - Mozilla Firefox

File Edit View History Bookmarks Yahoo! Tools Help

Getting Started

Analytics: New Account Signup

General Information > Contact Information > Accept User Agreement > Add Tracking

Please enter the URL of the site you wish to track, and assign a name as it should appear in your Google Analytics reports. If you'd like to track more than one website, you can add more sites once your account has been set up. [Learn more.](#)

Website's URL: (e.g. www.mywebsite.com)

Account Name:

Time zone country or territory:

Time zone:

Common Questions

- I do not own my web site domain. How do I set up Google Analytics?
- Can I track websites for which I'm not running an AdWords campaign?
- How do I track unique areas within my website separately?
- Will my website be affected by Google Analytics?
- Who will have access to my Google Analytics data?

Cancel Continue >

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Done www.google.com Open Notebook Adblock 25° F Wed 46° F Thu 45° F

Once you've filled in the information requested, clicking the **Continue** button will take you to another information page.

Google Analytics - Mozilla Firefox

File Edit View History Bookmarks Yahoo! Tools Help

https://www.google.com/analytics/home/provision?vid=1000

Google

Y! f G M Email Admin Catalog Vdeck Phone P eBay 1st Pres ESPN MSNBC CNN FoxNews KØSRW »

Google Analytics

k0srw@arrl.net | Help | Contact us | Sign Out

Getting Started

Analytics: New Account Signup

General Information > [Contact Information](#) > [Accept User Agreement](#) > Add Tracking

Last Name: Williams

First Name: Steve

Phone Number: 719-337-8103 (e.g. 123-123-1234)

Country or territory: United States

Common Questions

- Will my website be affected by Google Analytics?
- Who will have access to my Google Analytics data?

« Back Continue »

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Done www.google.com Open Notebook Adblock 25° F Wed 46° F Thu 45° F

Click Continue to review the Terms of Service...

The screenshot shows a Mozilla Firefox browser window with the title "Google Analytics - Mozilla Firefox". The address bar displays the URL <https://www.google.com/analytics/home/provision?vid=1000>. The main content area shows the "GOOGLE ANALYTICS TERMS OF SERVICE". It includes a paragraph about the terms and conditions, followed by sections 1. DEFINITIONS, 2. USE OF THE SERVICE, 3. DATA COLLECTION, 4. OWNERSHIP, 5. SECURITY, 6. LIMITATION OF LIABILITY, 7. TERMINATION, 8. GOVERNING LAW, and 9. ENTIRE AGREEMENT. Below the terms, there is a checkbox labeled "Yes, I agree to the above terms and conditions." At the bottom of the page are buttons for "« Back" and "Create New Account". To the right of the main content, there is a sidebar with two links: "Will my website be affected by Google Analytics?" and "Who will have access to my Google Analytics data?". The browser's toolbar at the top includes File, Edit, View, History, Bookmarks, Yahoo!, Tools, Help, and various icons for search engines and social media. The status bar at the bottom shows the URL www.google.com, weather information (25° F, Wed 46° F, Thu 45° F), and other browser controls.

Finally, you'll see a display like the following one, where some **tracking code** is presented. Yours will vary somewhat from what you see below, based on your site name, your account, and some numerical information that is presented. The tracking code essentially allows your site to give Google Analytics some data each time the tracking code is encountered. Therefore, the tracking code needs to be placed where all site activities will invoke it. In most non-CMS systems, many, many placements would be necessary. In Joomla! the code goes only in one place, which I'll show you in just a moment.

The screenshot shows a Mozilla Firefox browser window with the following details:

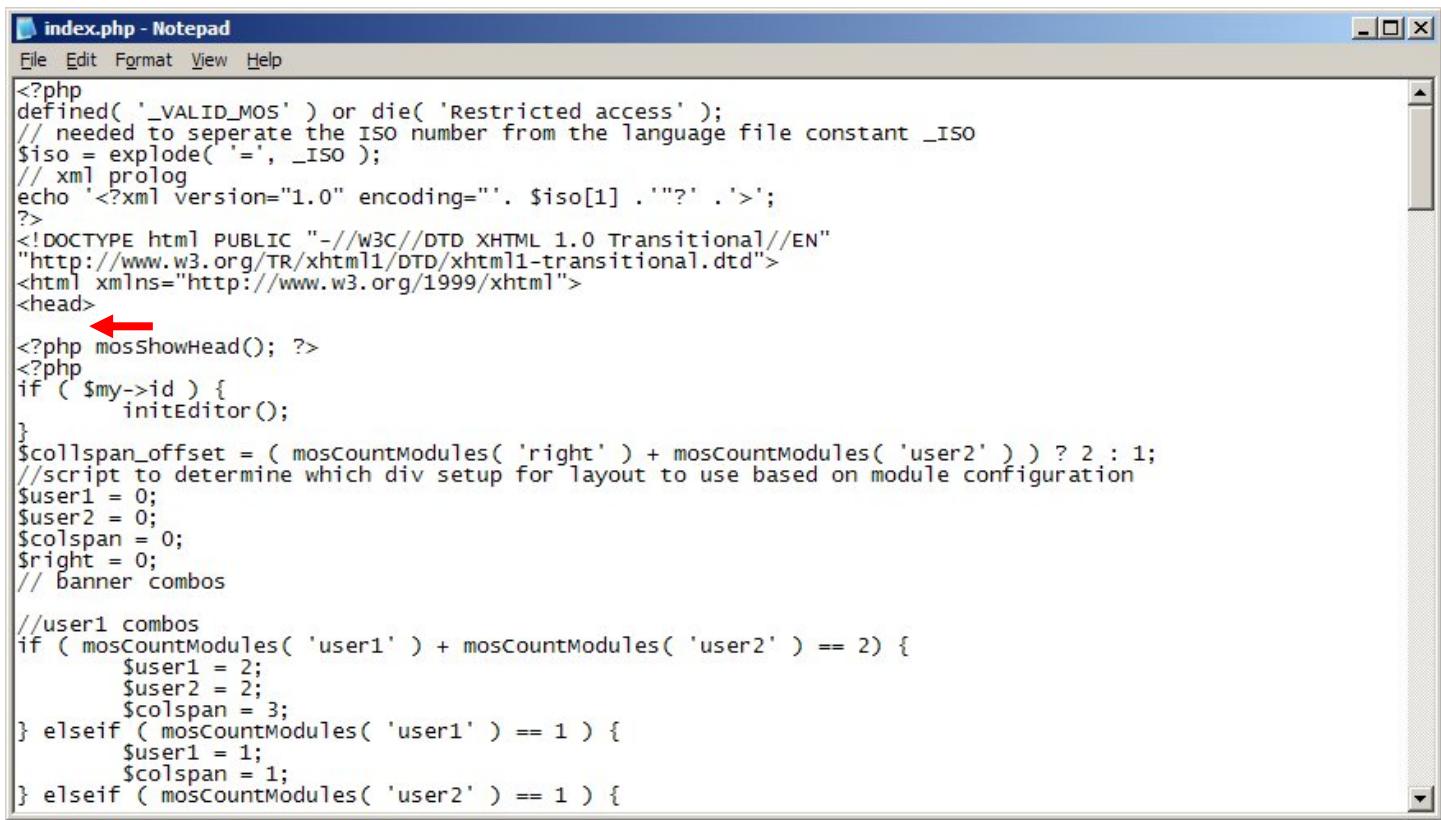
- Title Bar:** Google Analytics - Mozilla Firefox
- Menu Bar:** File Edit View History Bookmarks Yahoo! Tools Help
- Toolbar:** Back Forward Stop Home Print Address Bar (https://www.google.com/analytics/home/provision?vid=1001&scid=3254439) Google Search
- Address Bar:** https://www.google.com/analytics/home/provision?vid=1001&scid=3254439
- Bookmarks Bar:** Y! f G M Email Admin Catalog Vdeck Phone P eBay 1st Pres ESPN MSNBC CNN FoxNews KØSRW
- Content Area:**
 - Section Header:** Analytics: Tracking Instructions
 - Text:** General Information > Contact Information > Accept User Agreement > [Add Tracking](#)
 - Buttons:** New Tracking Code (ga.js) | [Legacy Tracking Code \(urchin.js\)](#)
 - Text:** Copy the following code block into every webpage you want to track.
Click in the box below to select all code. Copy and paste the code segment into the bottom of your content, immediately before the </body> tag of each page you are planning to track. If you use a common include or template, you can enter it there.
 - Code Block:**

```
<script type="text/javascript">
var gaJsHost = (("https:" == document.location.protocol) ? "https://ssl." : "http://www."
document.write("<script src='" + gaJsHost + "google-analytics.com/ga.js' type='text/ja"
</script>
<script type="text/javascript">
var pageTracker = _gat._getTracker("UA-3254439-1");
pageTracker._initData();
pageTracker._trackPageview();
</script>
```
 - Note:** Note: We recommend that you do not include both tracking code snippets together on any given page. Doing so might generate inaccurate report data. You can, however, migrate select pages of your site to the new tracking code while the legacy code remains on others.
- Right Panel:** Common Questions
 - How do I add tracking code to my website?
 - How can I confirm that I've entered the tracking code correctly on my pages?
 - How long does it take to see report data after adding the tracking code?
- Bottom Bar:** Done www.google.com Open Notebook Adblock 25° F Wed 46° F Thu 45° F

Just left-click on the tracking code, then as before, right-click the highlighted area and select **Copy**. That process will put the tracking code into your copy buffer.

Next, use your FTP tool (CuteFTP, for example), to connect to your site and locate the **templates\rhuk_solarflare_ii\index.php** file. My site uses a template named “rhuk_solarflare_ii”, but if you’ve changed your site’s template, you’ll need to substitute your template name in for the **rhuk_solarflare_ii** portion of the directory name.

When you open the **index.php** file, you’ll see something like this:



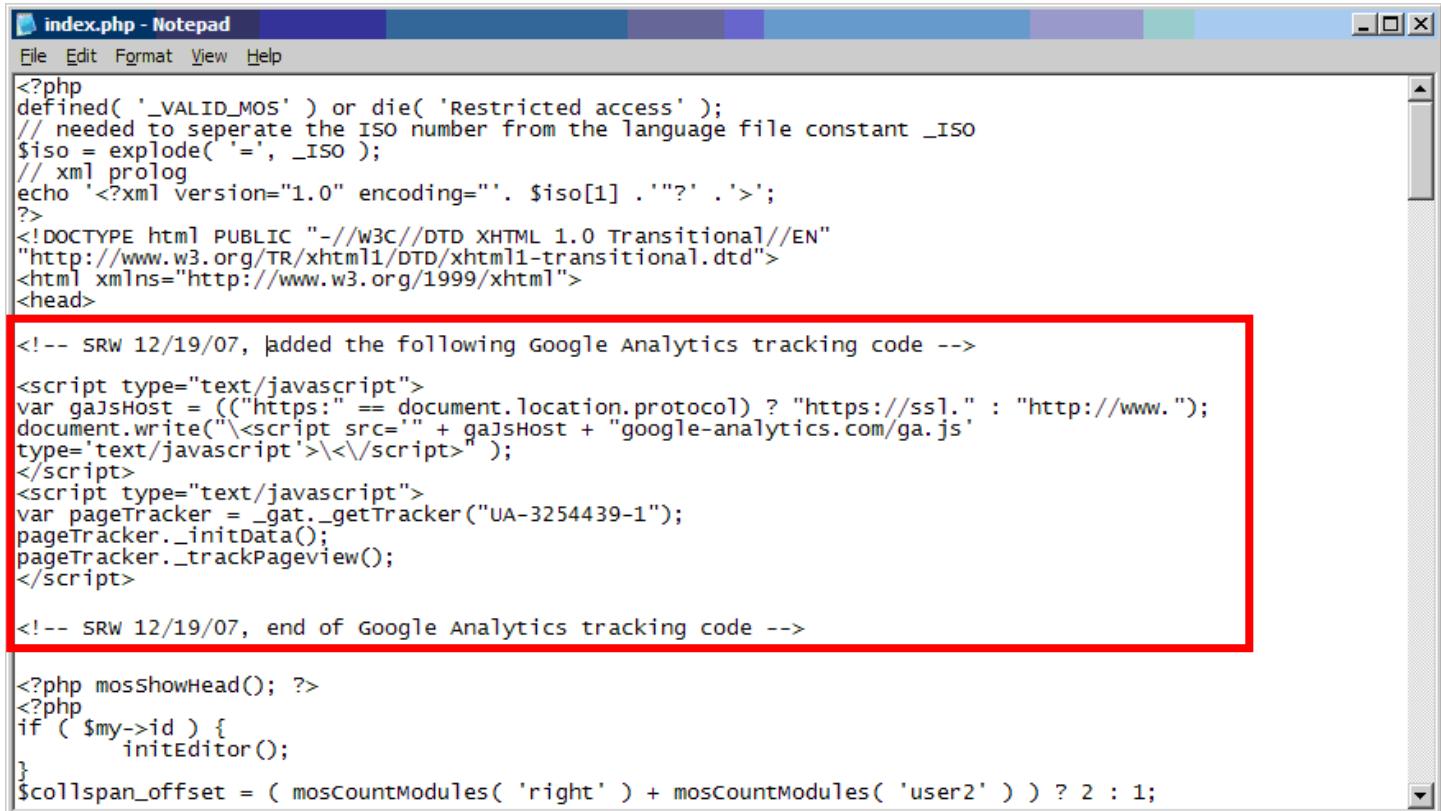
```

<?php
defined( '_VALID_MOS' ) or die( 'Restricted access' );
// needed to separate the ISO number from the language file constant _ISO
$iso = explode( '=', _ISO );
// xml prolog
echo '<?xml version="1.0" encoding="" . $iso[1] . "?" . ">';
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <?php mosshowHead(); ?>
    <?php
        if ( $my->id ) {
            initEditor();
        }
    $colspan_offset = ( mosCountModules( 'right' ) + mosCountModules( 'user2' ) ) ? 2 : 1;
    //script to determine which div setup for layout to use based on module configuration
    $user1 = 0;
    $user2 = 0;
    $colspan = 0;
    $right = 0;
    // banner combos

    //user1 combos
    if ( mosCountModules( 'user1' ) + mosCountModules( 'user2' ) == 2 ) {
        $user1 = 2;
        $user2 = 2;
        $colspan = 3;
    } elseif ( mosCountModules( 'user1' ) == 1 ) {
        $user1 = 1;
        $colspan = 1;
    } elseif ( mosCountModules( 'user2' ) == 1 ) {
    }
}

```

At the location of the red arrow above, paste in the tracking code, and add comments as described earlier.



```

<?php
defined( '_VALID_MOS' ) or die( 'Restricted access' );
// needed to separate the ISO number from the language file constant _ISO
$iso = explode( '=', _ISO );
// xml prolog
echo '<?xml version="1.0" encoding="" . $iso[1] . "?" . ">';
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>

    <!-- SRW 12/19/07, I added the following Google Analytics tracking code -->
    <script type="text/javascript">
        var gaJsHost = (( "https:" == document.location.protocol ) ? "https://ssl." : "http://www.");
        document.write( "<script src='" + gaJsHost + "google-analytics.com/ga.js"
        type='text/javascript'>\</script>" );
    </script>
    <script type="text/javascript">
        var pageTracker = _gat._getTracker("UA-3254439-1");
        pageTracker._initData();
        pageTracker._trackPageview();
    </script>

    <!-- SRW 12/19/07, end of Google Analytics tracking code -->

    <?php mosshowHead(); ?>
    <?php
        if ( $my->id ) {
            initEditor();
        }
    $colspan_offset = ( mosCountModules( 'right' ) + mosCountModules( 'user2' ) ) ? 2 : 1;
}

```

Save the modified **index.php** file back to your site, and you'll be in business. You should navigate through a few pages on your site, just to be sure that the code and comments were inserted without causing errors.

Head back to the Google Analytics site (<http://www.google.com/analytics>) and sign in again. You'll probably see a display like this one, where you'll see an indication that the tracking code hasn't yet been verified:

The screenshot shows a Mozilla Firefox browser window displaying the Google Analytics home page. The URL in the address bar is <https://www.google.com/analytics/home/?et=reset&hl=en-US>. The main content area shows a message about AdWords integration and a warning about tracking code validation. A red circle highlights the 'Check Status' link next to the tracking code status message. To the right, a sidebar titled 'Helpful Links' lists various Google Analytics resources.

Drive targeted traffic to your site.
Use AdWords with your Google Analytics Account.
[Tell me more about AdWords.](#) | [How can I use AdWords and Analytics together?](#)

⚠️ Tracking for your website has not yet been validated: www.kaeson.com
Click 'Check Status' to validate whether or not you have added tracking correctly to your website's home page. Clicking the 'Check Status' will also provide instructions for adding tracking to your website.

Check Status

Analytics Settings - www.kaeson.com ([Edit Analytics Account](#))
From this page you can manage your website profiles, create custom or predefined filters, and control access to your Analytics reports.

Website Profiles

Name	Reports	Settings	Delete	Status
1. www.k0srw.com	View Reports	Edit	Delete	Tracking code not verified Check Status Conversion Goals (0)

[Add Website Profile »](#) [Access Manager »](#) [Filter Manager »](#)
Track another website with
Number of Users: 1 Number of Filters: 0

Done www.google.com Open Notebook 25° F Wed 46° F Thu 45° F

Helpful Links

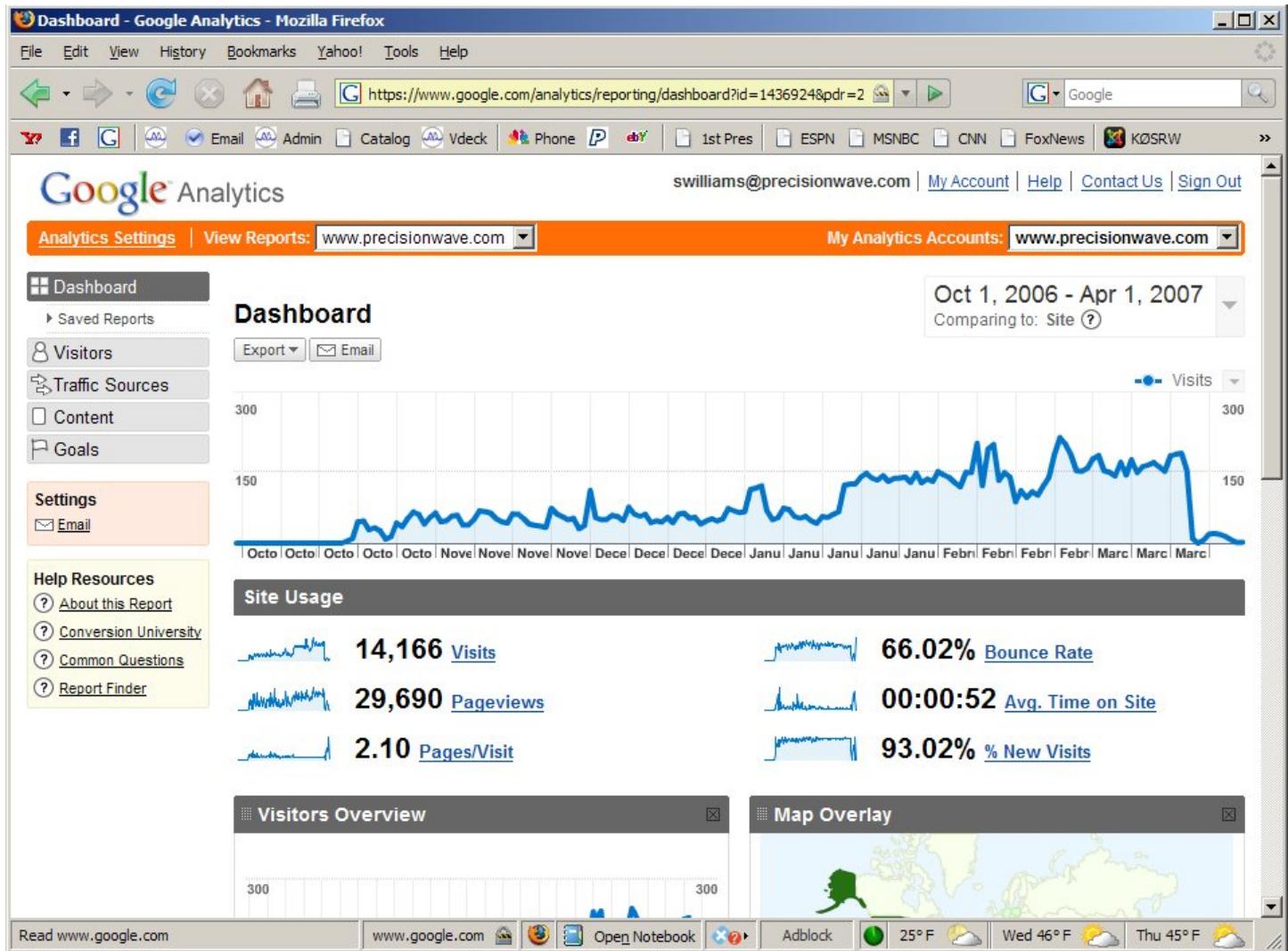
- [What's new with Google Analytics?](#)
- [How can I confirm that I've entered the tracking code correctly on my pages?](#)
- [I'm not seeing any data in my reports.](#)
- [What is a website profile, and what can I do with it?](#)
- [How do I track a new website?](#)
- [How do I set up goals?](#)

Clicking the **Check Status** link will cause Google Analytics to automatically verify proper installation of the tracking code on your site. With any luck, you'll receive an indication that Google Analytics is receiving data as shown below:

The screenshot shows the Google Analytics interface in Mozilla Firefox. At the top, there's a toolbar with File, Edit, View, History, Bookmarks, Yahoo!, Tools, Help, and a search bar for 'https://www.google.com/analytics/home/?et=reset&hl=en-US'. Below the toolbar, the address bar shows 'swilliams@precisionwave.com | My Account | Help | Contact us | Sign Out' and the URL 'My Analytics Accounts: www.precisionwave.com'. The main content area displays a welcome message: 'Welcome to the new version of Google Analytics! Your new reports have been designed to help you learn even more about your site traffic and marketing initiatives.' It also includes links to 'FAQs', 'Take a Tour', 'Learn More', and 'Report Finder Tool'. Below this, the 'Analytics Settings - www.precisionwave.com' section is shown, with a link to 'Edit Analytics Account'. A note says 'From this page you can manage your website profiles, create custom or predefined filters, and control access to your Analytics reports.' A table titled 'Website Profiles' lists one profile: 'Name: www.k0srw.com', 'Reports: View Reports', 'Settings: Edit', 'Delete: Delete', and 'Status: ✓ Receiving Data Conversion Goals (4)'. This row is circled in red. To the right, a 'Helpful Links' sidebar lists several questions: 'What's new with Google Analytics?', 'How can I confirm that I've entered the tracking code correctly on my pages?', 'I'm not seeing any data in my reports.', and 'What is a website profile and...'. The entire screenshot is framed by a thick black border.

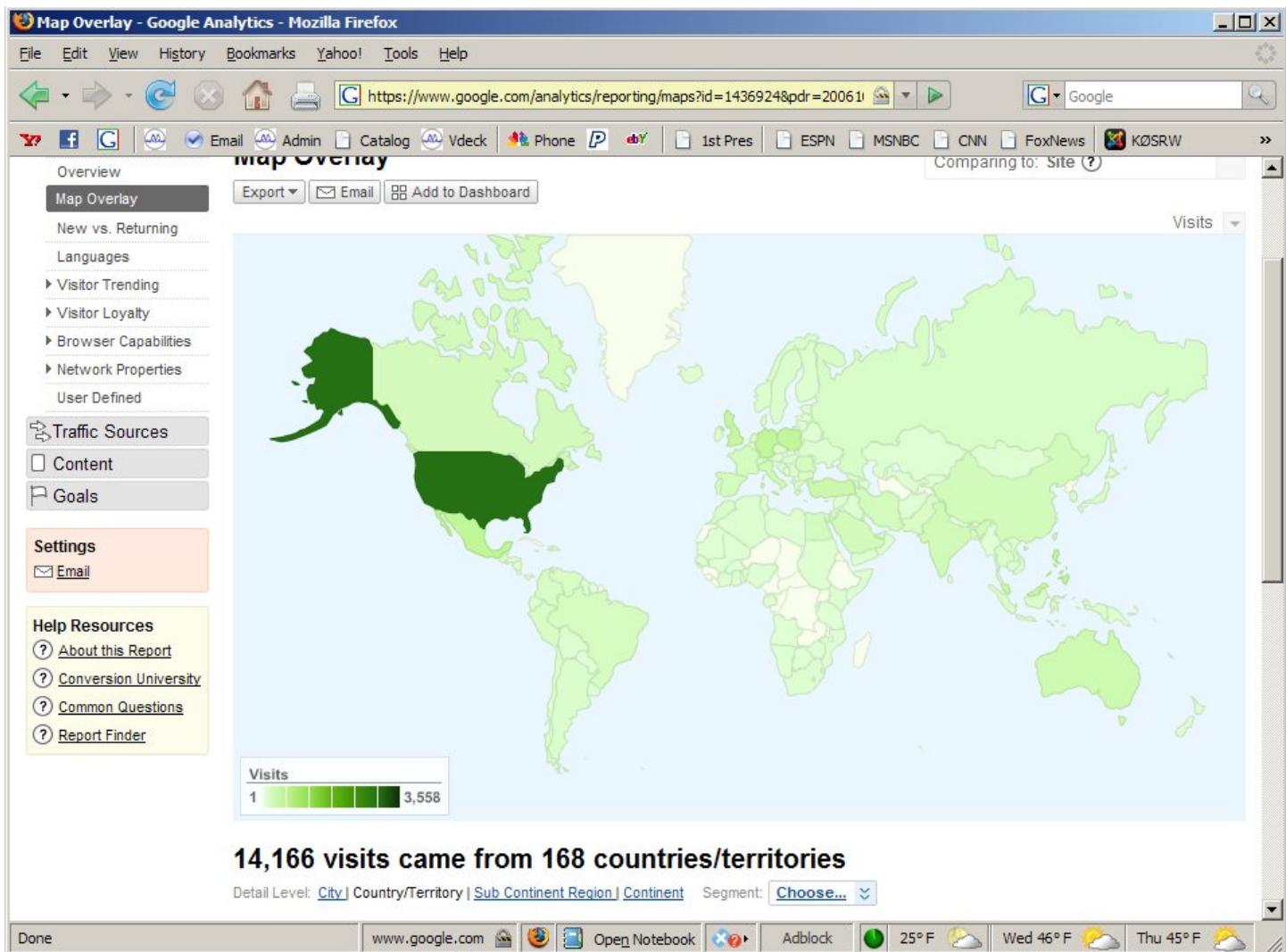
Although Google Analytics won't yet have collected much data from your site, you'll soon see valuable usage information pouring in!

To start looking at your data, just click the **View Reports** link above, and you'll end up at the Google Analytics **Dashboard**:



This gives you a quick summary of your site's activity, and is the starting point for really drilling down into the data. (These reports are from www.precisionWave.com rather than www.k0srw.com since precisionWave had a bit more activity than my personal site.)

Roll down in the dashboard, and click the **view reports** link in the **Map Overlay** area. From here, you'll be able to see geographically where your site's activity is coming from. In this case, increasing levels of activity are denoted by deeper shades of green.



You can roll down in the **Map Overlay** view to get more detail about your geographical access:

Map Overlay - Google Analytics - Mozilla Firefox

File Edit View History Bookmarks Yahoo! Tools Help

Back Forward Stop Home https://www.google.com/analytics/reporting/maps?id=1436924&pdr=200611 Google

Email Admin Catalog Vdeck Phone eBay 1st Pres ESPN MSNBC CNN FoxNews KØSRW

Visits 1 3,558

14,166 visits came from 168 countries/territories

Detail Level: City | Country/Territory | Sub Continent Region | Continent Segment: Choose... ▾

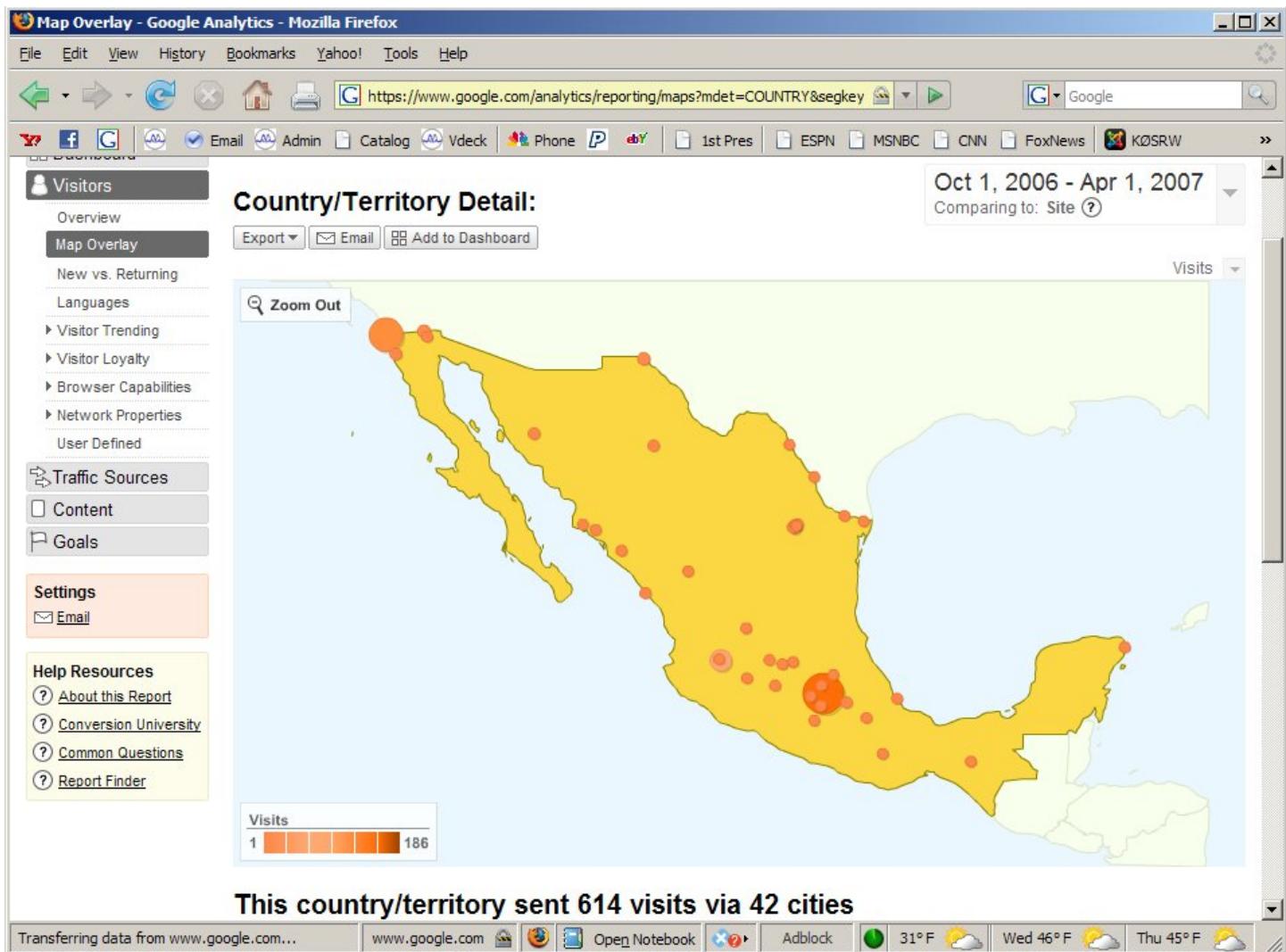
Site Usage **Goal Conversion** Views:

Visits	Pages/Visit	Avg. Time on Site	% New Visits	Bounce Rate	
14,166 % of Site Total: 100.00%	2.10 Site Avg: 2.10 (0.00%)	00:00:52 Site Avg: 00:00:52 (0.00%)	93.04% Site Avg: 93.02% (0.02%)	66.02% Site Avg: 66.02% (0.00%)	
Country/Territory	Visits ↓	Pages/Visit	Avg. Time on Site	% New Visits	Bounce Rate
1. United States	3,558	2.77	00:01:53	83.22%	70.26%
2. Mexico	614	1.14	00:00:13	98.05%	92.83%
3. Philippines	610	1.24	00:00:22	98.52%	89.34%
4. Poland	579	1.68	00:00:04	98.79%	41.97%
5. Germany	574	1.34	00:00:23	98.43%	89.02%
6. United Kingdom	511	1.38	00:00:20	98.43%	90.41%
7. Malaysia	483	1.65	00:00:34	97.52%	68.32%
8. Turkey	398	2.69	00:00:17	98.99%	7.54%
9. Australia	351	1.32	00:00:14	97.15%	90.31%
10. Italy	292	1.25	00:00:18	98.63%	85.96%

Find Country/Territory: containing Go Go to: 1 Show rows: 10 1 - 10 of 168

Done www.google.com Open Notebook Adblock 31°F Wed 46°F Thu 45°F

And of course, you can click on a country name to see more detail about the site hits from that location:



And so it goes. Google Analytics will provide tons of detail about where your users are, what browsers they use, how they got to your site, what they did on their site, how they left your site, how long they were there, and much more! Enjoy using the amazing Google Analytics tool, and be sure to explore the wealth of reports and help available.

If you're really ambitious, you can set up **Google AdWords** so that your site shows up front-and-center when users type specific queries into Google's search capability. **Google AdWords** is a pay-per-click system, so each time users click one of your links that appear, you'll owe Google some money. How much per click? That depends on the popularity of the search string you want to appear under, and it depends on how much other people are paying to appear with that search string. The more you pay per click, the higher your ads appear in the results.

amateur radio - Google Search - Mozilla Firefox

File Edit View History Bookmarks Yahoo! Tools Help

http://www.google.com/search?q=amateur+radio&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla.firefox,US,US

amateur radio

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[American Radio Relay League](#)
ARRL headquarters office in Newington, Connecticut. General membership information, news, events schedule, ...
www.arrl.org/ - 42k - [Cached](#) - [Similar pages](#) - [Note this](#)

[Amateur radio - Wikipedia, the free encyclopedia](#)
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en.wikipedia.org/wiki/Amateur_radio - 74k - [Cached](#) - [Similar pages](#) - [Note this](#)

[QRZ Ham Radio](#)
Includes news, searchable callsign database, license renewals and updates, DX spotting reports, APRS resources, clubs, solar report, and links.
www.qrz.com/ - 35k - [Cached](#) - [Similar pages](#) - [Note this](#)

[HRO Ham Radio Outlet Worldwide Supplier of Amateur Radio ...](#)
Retailer of new and used amateur radio equipment. Online shopping and store locator.
www.hamradio.com/ - 9k - [Cached](#) - [Similar pages](#) - [Note this](#)

[Hello Radio](#)
The American Radio Relay League 225 Main Street Newington, CT 06111-1191 USA

Sponsored Links

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Software to program Icom and Yaesu amateur handheld and mobile radios.
www.rtsystemsinc.com

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astridsembroidery.com

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www.hamcity.com

[Ham radio classifieds](#)
Amateur radio free classifieds
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The are other ways to move your site up in the organic search results without having to use something like Google AdWords. Some of these methods are legitimate, and others are not. If you'd like to move up legitimately, then I'd recommend the book **Search Engine Optimization for Dummies** by Peter Kent. It's a quick read, and it exposes you to some great techniques as well as those to stay away from!

Summary

Nothing short of several textbooks on the topic can expose you to all that there is to know about Joomla! And even those textbooks would be out of date by the time they're written and in print. So, this short article series had no hope of telling you absolutely everything, but instead, had the goal of getting you started and exposed to the "art of the possible."

Sprinkled throughout the series, I've listed several important web references where you can find a vast amount of additional information and help. And, as I just discovered a few minutes ago, YouTube (<http://www.youtube.com>) has pages and pages of videos on various Joomla! topics. What will they think of next?

Anyway, I hope you've enjoyed this series and that it's perhaps scratched a creative itch. Why not use some lazy winter weekends to give Joomla! a try? When you're ready, drop me an email at k0srw@earthlink.net with the URL to your new Joomla! based web site. I'd love to see your work!

Closing Thought

Before I wander off and forget to mention this, Joomla! promotion, support and development requires significant effort and considerable financial resources. If you like what you see in Joomla!, please consider a voluntary donation. You can read more about this matter on the Joomla! donations page at <http://www.joomla.org/content/view/689/79/>.

Have fun building, tracking and promoting your site!

73,

Steve Williams, KØSRW
Colorado Springs, CO